

RECE					
DISTRICTS.	Grant from Government.	SUSPENSE ACCOUNT.			Total receipts.
		Advances.	Deposits.	Total.	
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
1 Bardwan	.....	4,037 14 9	512 9 6	4,550 8 3	58,236 1 6
Bankoora	.....	54 0 0	110 0 0	150 0 0	13,259 8 4
Beerbhoom	.....	2,618 6 0	.....	2,618 6 0	27,199 7 4
Midnapore	2,536 9 8	5,085 7 3	2,929 0 0	8,014 7 3	68,380 6 6
5 Hooghly and Howrah	.....	.....	2,166 0 0	2,166 0 0	47,599 4 6
24 Pergunnahs	.....	.....	50 0 0	50 0 0	52,341 1 7
Nudda	.....	150 0 0	402 4 0	552 4 0	32,267 7 4
Jessore	.....	10,821 15 10	.....	10,821 15 10	38,765 4 8
Khoolna	.....	2,535 4 8	1,153 0 0	3,688 4 8	28,112 1 0
10 Moorsshedabad	.....	1,405 15 5	.....	1,405 15 5	31,699 13 9
Dinapore	6,400 0 0	1,341 8 0	.....	1,341 8 0	29,611 4 11
Rajshahye	174 8 0	713 10 0	386 4 0	1,099 14 0	33,524 5 8
Rungpore	.....	993 0 8	.....	993 0 8	43,692 3 0
Bogra	.....	392 2 0	.....	392 2 0	26,386 14 6
15 Pubna	79 7 8	2,154 1 9	.....	2,154 1 9	26,729 4 2
Darjeeling	894 1 9	1,917 11 3	.....	1,917 11 3	15,968 1 2
Jalpigoree	1,350 12 9	2,288 9 6	.....	2,288 9 6	16,167 8 6
Dacca	172 1 2	1,684 0 0	640 0 0	2,324 0 0	33,079 11 6
Furcedpore	.....	45 6 9	264 0 0	309 6 9	23,933 8 7
20 Backergunge	3,650 14 4	.....	820 0 0	820 0 0	46,331 7 0
Tippurah	.....	0 2 6	.....	0 2 6	39,668 3 7
Mymensingh	.....	.....	1,380 0 0	1,380 0 0	72,460 2 7
Chittagong	.....	.....	8,875 13 8	8,875 13 8	36,276 6 6
Noakhally	.....	606 15 6	.....	606 15 6	32,254 11 7
25 Patna	.....	11,066 10 9	.....	1,666 10 9	82,124 7 2
Gya	175 6 9	112 7 6	2,471 2 0	2,583 9 6	90,364 9 6
Shahabad	575 7 0	7,449 1 2	2,710 5 6	10,159 6 8	68,448 11 5
Mozufferpore	.....	657 0 0	771 0 0	1,428 0 0	59,939 11 6
Durbhunga	.....	944 3 8	.....	944 3 8	1,09,131 5 11
30 Sarun	.....	17,129 3 1	.....	17,129 3 1	57,241 2 6
Champaran	.....	3,553 5 9	.....	3,553 5 9	27,071 15 9
Monghyr	10,600 0 0	.....	1,254 0 0	1,254 0 0	96,109 8 11
Bhagalpur	.....	2,934 4 0	6,860 0 0	9,794 4 0	82,221 3 7
Purneah	.....	3,312 11 9	210 0 0	3,522 11 9	31,809 9 10
35 Maldah	.....	411 5 6	135 0 0	546 5 6	23,386 9 9
Cuttack	.....	.....	.....	.....	4,576 14 6
Poorce	.....	150 0 0	.....	150 0 0	1,957 13 1
Balasore	17,972 1 7	49 0 0	698 0 0	747 0 0	21,552 0 4
Hazaribagh	.....	450 4 0	411 0 0	861 4 0	14,043 14 9
40 Lohardugga	220 11 9	.....	.....	.....	35,341 2 11
Manbhoom	.....	.....	.....	.....	9,714 11 10
Total	42,191 2 5	77,025 13 0	35,215 6 8	1,12,241 3 8	16,84,983 4 0
NON-CESS DISTRICTS.					
Chittagor Hill Tracts	.....	1,110 9 8	.....	1,110 9 8	1,110 9 8
Sonthal Pergunnahs	.....	.....	600 0 0	600 0 0	910 7 0
44 Singbhoom	.....	2,463 0 0	.....	2,463 0 0	2,463 0 0
Total	.....	3,573 9 8	600 0 0	4,173 9 8	4,484 0 8
GRAND TOTAL	42,191 2 5	80,599 6 8	35,815 6 8	1,16,414 13 4	16,89,467 4 8

1 P.T.S.

Balance of imprest in the hands of Engineers and others decreased.	Balance of uncashd cheques increased.	Total receipts, including balance.	Outlay.	Balance in treasury on 31st March 1884.	Districts.
Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
.....	.....	61,536 6 0	45,231 6 4	16,294 15 8	Burdwan ... .. 1
.....	.....	17,734 5 6	7,336 8 1	10,397 13 5	Bankura ... .. 1
.....	16 0 0	33,927 8 7	14,811 1 3	18,226 7 4	Beerbhoom ... .. 1
.....	1,133 15 3	72,067 11 1	29,299 5 10	42,858 5 3	Midnapore ... .. 1
.....	164 3 3	1,18,460 7 11	42,980 10 11	75,473 13 0	Hoochly and Howrah ... 5
.....	.....	57,099 11 9	24,146 8 10	33,463 2 11	24-Pergunnahs... .. 1
.....	377 9 6	38,036 3 7	21,878 0 6	16,817 13 1	Nudda ... .. 1
.....	.....	44,785 14 0	35,280 2 0	11,496 12 1	Jessore ... .. 1
.....	200 0 0	77,661 7 4	29,203 12 6	57,457 10 10	Khoolna ... .. 1
.....	.....	38,860 13 7	21,970 7 11	16,624 5 8	Moorshedabad ... .. 10
.....	.....	42,365 13 2	22,566 9 0	19,799 4 2	Dinapore ... .. 1
.....	.....	40,029 5 6	25,104 12 2	14,924 9 4	Rajshahye ... .. 1
.....	628 10 3	83,634 4 5	25,616 9 7	58,018 3 10	Rungroore ... .. 1
.....	826 3 5	36,068 2 2	29,034 3 2	7,033 15 0	Bogra ... .. 1
.....	.....	48,388 1 10	18,560 4 11	29,887 12 11	Patna ... .. 15
.....	.....	23,775 4 10	10,945 3 8	12,830 1 2	Darjeeling ... .. 1
.....	76 8 0	23,973 14 9	20,781 3 3	2,392 11 6	Jalpigoree ... .. 1
.....	163 10 6	85,217 3 6	32,335 10 10	52,281 8 8	Dacca ... .. 1
.....	36 9 0	55,181 13 5	29,753 9 0	34,428 4 5	Furzedpore ... .. 1
.....	568 2 9	83,575 2 11	38,232 8 11	45,342 10 0	Backergunge ... .. 20
.....	.....	60,888 5 11	9,862 6 1	50,925 15 19	Tipperah ... .. 1
.....	2 14 6	1,21,513 7 6	21,959 10 6	99,553 13 0	Mymensingh ... .. 1
.....	.....	80,894 13 5	36,245 3 8	50,649 9 9	Chittagong ... .. 1
.....	78 12 3	64,054 8 10	43,772 13 9	20,251 11 1	Noakhelly ... .. 1
.....	624 0 0	97,571 4 1	51,867 5 10	46,203 14 3	Patna ... .. 25
.....	366 4 3	1,41,119 12 9	38,587 0 4	1,02,532 12 5	Gya ... .. 1
.....	149 3 9	96,390 5 4	49,892 14 7	46,497 6 9	Shahabad ... .. 1
.....	.....	1,14,522 5 3	38,990 3 6	75,532 1 9	Mozufferpore ... .. 1
.....	4,517 15 8	1,18,374 13 8	74,350 0 4	44,024 13 4	Durbhanga ... .. 1
.....	.....	1,23,762 2 11	42,924 12 10	79,237 6 1	Saran ... .. 30
.....	.....	33,479 6 11	23,237 1 6	10,243 5 5	Chumparan ... .. 1
.....	378 1 11	1,03,602 9 6	52,006 11 11	51,595 13 7	Monshyr ... .. 1
.....	.....	1,08,020 10 2	35,419 5 4	72,601 4 10	Bhagalpur ... .. 1
.....	.....	37,814 12 4	24,930 0 5	12,884 11 11	Purneah ... .. 1
.....	.....	40,912 6 4	11,074 14 11	29,837 7 5	Maldah ... .. 35
.....	.....	51,444 5 6	15,812 8 10	15,631 12 8	Cuttack ... .. 1
.....	70 0 0	19,169 15 5	15,914 7 5	3,245 8 0	Pooree ... .. 1
.....	120 2 6	44,581 14 0	23,612 14 8	20,974 15 4	Balasore ... .. 1
.....	122 14 0	16,496 9 3	9,372 11 2	7,123 14 1	Hazaribagh ... .. 1
.....	336 2 9	63,892 2 10	13,091 9 5	50,800 9 5	Lohardugga ... .. 40
.....	.....	12,895 13 2	6,038 14 10	6,856 14 4	Manbhoom ... .. 1
182 2 3	10,569 13 8	26,11,258 4 11	11,36,013 3 6	14,75,245 1 5	Total.
.....	.....	8,874 2 6	7,296 2 0	1,578 6 6	Chittagong Hill Tracts ... .. 1
.....	304 2 9	53,968 1 7	9,492 14 11	44,475 2 8	Sonthal Pergunnahs ... .. 1
.....	.....	8,562 7 8	4,525 13 6	4,036 10 2	Singbhoom ... .. 44
.....	804 2 9	71,404 11 9	21,314 14 5	50,089 13 4	Total.
182 2 3	10,874 0 0	26,82,063 0 8	11,67,328 1 11	15,25,334 14 9	GRAND TOTAL.

## EXPEN

DISTRICTS.	REFUNDS.			PROVINCIAL RATES.	ADMINISTRATION.		
	Cess.	Other receipts.	Total.	Establishment and contingencies of office of collection.	Establishment and contingencies of committee's office.	Percentage cost of establishment for offices of account and control.	Total.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
1 Burdwan ... ..	.....	.....	.....	6,156 5 9	539 0 0	1,140 5 10	1,679 5 10
Bankoora ... ..	.....	2 10 9	2 10 9	1,355 2 9	189 12 0	286 11 0	467 7 6
Beerbhoom ... ..	.....	.....	.....	520 10 5	182 3 0	1,000 1 4	1,242 4 4
Midnapore ... ..	.....	55 9 9	55 9 9	1,127 12 4	1,190 15 6	2,875 14 8	4,060 14 2
5 Hooghly and Howrah	469 12 3	.....	469 12 3	3,676 15 4	379 14 0	2,082 0 1	2,431 14 4
24 Pergunnahs ... ..	65 11 6	59 2 0	124 13 6	852 12 0	359 4 0	776 1 0	1,135 5 0
Nuddes ... ..	175 15 9	.....	175 15 9	775 7 7	377 0 0	478 0 5	835 0 5
Jessore ... ..	.....	.....	.....	749 6 6	904 11 7	.....	904 11 7
Khoolna ... ..	10 12 6	.....	10 12 6	637 9 9	269 15 3	582 8 10	843 8 1
10 Moorshedabad ... ..	4 9 6	51 7 0	56 0 6	674 15 6	203 0 0	474 15 3	677 15 3
Dinapore ... ..	.....	4 13 6	4 13 6	770 9 0	241 2 0	657 2 11	898 4 11
Rajshahye ... ..	.....	39 5 9	39 5 9	2,639 13 0	278 7 3	621 9 8	906 0 11
Rangpore ... ..	.....	.....	.....	914 5 10	881 12 0	1,046 6 0	1,928 2 0
Boogra ... ..	368 14 6	.....	368 14 6	382 10 0	248 1 3	.....	.....
15 Pubna ... ..	.....	42 7 6	42 7 6	907 10 9	273 13 6	493 13 1	767 10 7
Darjeeling ... ..	.....	.....	.....	409 0 0	246 11 1	313 4 7	559 15 8
Jalpigoree ... ..	.....	.....	.....	481 1 0	306 8 0	285 0 3	591 8 3
Dacca ... ..	3 5 6	3 10 3	6 15 9	963 9 4	462 0 0	806 8 2	1,328 8 2
Furzedpore ... ..	.....	.....	.....	2,599 8 8	301 2 8	1,169 6 8	1,401 9 4
20 Backergunge ... ..	200 15 0	86 2 0	287 1 0	5,355 1 6	362 10 3	1,647 4 9	2,009 15 3
Tippurah ... ..	.....	.....	.....	547 0 1	345 10 6	735 10 6	1,081 5 0
Mymensingh ... ..	.....	.....	.....	2,967 9 9	488 2 3	1,091 7 0	1,679 9 3
Chittagong ... ..	15 10 0	.....	15 10 0	1,893 5 3	368 4 0	1,569 13 1	1,929 1 1
Noakholly ... ..	.....	.....	.....	673 14 3	288 15 0	632 9 0	921 8 0
25 Patna ... ..	45 12 4	25 7 3	71 3 7	2,140 8 0	225 0 0	1,242 2 6	1,437 2 6
Gya ... ..	16 11 1	55 6 9	72 1 10	838 7 11	784 2 0	1,597 8 3	2,381 10 3
Shahabad ... ..	.....	62 4 6	62 4 6	811 11 0	389 6 0	1,247 9 10	1,627 15 10
Mozufferpore ... ..	.....	.....	.....	983 7 8	639 15 3	1,063 0 9	1,663 0 9
Durbhunga ... ..	683 8 0	.....	683 8 0	1,514 7 0	451 7 6	2,114 6 0	2,545 13 6
30 Sarun ... ..	25 2 2	.....	25 2 2	2,346 12 3	575 7 6	1,637 1 1	2,521 8 7
Chumparun ... ..	.....	.....	.....	405 0 0	241 0 0	.....	.....
Monghyr ... ..	.....	47 13 0	47 13 0	2,513 4 6	638 1 3	1,931 13 7	1,569 14 10
Bhagalpur ... ..	1,279 14 3	.....	1,279 14 3	949 11 3	449 7 0	854 11 5	1,295 2 5
Purneah ... ..	.....	42 0 0	42 0 0	806 11 0	332 8 0	623 14 3	976 6 3
45 Maldah ... ..	.....	29 3 10	29 3 10	476 14 6	221 6 7	248 13 10	470 4 5
Cuttack ... ..	.....	.....	.....	3,847 9 9	225 0 0	1,120 9 11	1,345 9 11
Poorce ... ..	.....	.....	.....	998 14 7	558 0 1	264 0 1	822 0 2
Balasore ... ..	.....	.....	.....	1,396 2 11	271 3 9	353 12 9	625 0 6
Hazaribach ... ..	-239 0 0	-239 0 0	-239 0 0	561 8 0	219 11 9	417 13 5	637 9 2
40 Lohardugga ... ..	.....	.....	.....	635 2 2	121 5 3	436 12 0	558 1 3
Manbhoom ... ..	.....	.....	.....	514 15 8	353 4 0	259 8 9	592 12 9
Total ... ..	3,567 0 4	376 15 10	3,744 0 2	59,136 15 6	16,369 5 0	35,162 5 2	51,531 10 2
NON-CESS DISTRICTS.							
Chittagong Hill Tracts ... ..	.....	.....	.....	.....	190 14 3	.....	190 14 3
44 Sonthal Pergunnahs ... ..	.....	.....	.....	.....	24 3 9	.....	24 3 9
Total ... ..	.....	.....	.....	.....	224 2 0	.....	224 2 0
GRAND TOTAL ... ..	3,567 0 4	376 15 10	3,744 0 2	59,136 15 6	16,593 7 0	35,162 5 2	51,755 12 2

DITURE.

STATIONERY.	PUBLIC WORKS.						DISTRICTS.
	Original works.	Repairs.	Establishment.	Tools and plant.	Toll and ferry establishment and contingencies.	Establishment of Divisional Superintendent of Works.	
Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
553 7 6	1,105 14 3	22,844 3 9	2,972 1 3	103 10 0	.....	.....	Burdwan ... 1
60 11 4	702 13 6	620 0 0	1,485 3 6	10 6 6	.....	.....	Bankura ...
102 3 10	2,852 13 5	6,759 1 6	2,067 14 0	.....	.....	.....	Berhampur ...
243 12 4	7,808 10 0	5,523 4 9	2,915 1 0	81 9 0	.....	.....	Midnapore ...
22 15 9	481 0 9	16,142 14 6	5,883 11 6	.....	.....	4,513 6 6	Hooghly and Howrah ... 5
109 6 7	.....	15,667 0 3	4,310 15 3	12 12 0	.....	.....	24 Pargunnahs ...
129 7 6	5,127 5 0	10,877 3 9	2,731 0 3	2 0 9	.....	.....	Nuddea ...
87 11 7	6,579 7 5	18,389 0 9	5,724 13 2	303 8 0	.....	.....	Jessore ...
433 11 0	1,486 7 0	11,034 2 2	1,605 14 9	1,550 5 0	.....	.....	Khosha ...
98 4 6	433 2 9	14,934 2 5	2,743 11 0	419 5 6	.....	.....	Moorshedabad ... 10
103 9 9	56 1 0	13,204 9 10	3,258 11 9	170 4 0	.....	.....	Dinapore ...
99 10 0	1,385 13 6	14,738 11 3	2,925 13 3	284 0 6	.....	.....	Rajshahye ...
199 9 9	1,520 5 3	14,993 13 3	2,875 11 0	844 7 6	.....	11,000 0 0	Rungpore ...
156 2 9	4,254 7 2	16,032 1 11	1,446 0 2	1,212 9 6	.....	.....	Bogra ...
133 10 4	8,381 7 3	8,892 3 3	1,174 2 0	222 11 6	.....	.....	Patna ... 15
45 7 3	325 0 0	730 1 3	858 0 0	283 2 6	.....	.....	Darjeeling ...
128 12 4	8,899 8 0	6,465 6 6	1,597 3 0	230 2 6	.....	.....	Jalpigore ...
198 9 9	18,132 11 8	1,508 15 6	2,329 6 0	54 0 0	.....	4,173 6 8	Dacca ...
86 9 9	8,375 15 2	2,582 6 3	2,115 4 7	68 11 3	.....	.....	Farrakapore ...
341 2 3	19,098 12 8	7,711 13 6	2,611 2 9	16 8 0	.....	191 0 0	Backergunge ... 20
.....	2,444 9 6	3,598 12 9	2,376 11 9	13 15 0	.....	.....	Tipperah ...
216 5 3	4,141 15 0	4,135 6 0	4,078 8 0	.....	.....	.....	Mymensingh ...
49 0 8	1,813 4 0	8,292 8 5	3,521 10 2	35 0 0	.....	.....	Chittagong ...
294 14 6	23,578 11 6	3,673 6 9	2,077 11 9	91 13 3	.....	.....	Noakhally ...
116 6 6	25,517 10 9	8,862 5 6	4,909 5 9	174 2 0	.....	3,497 0 0	Patna ... 25
23 0 0	16,518 11 7	9,813 12 5	2,827 10 9	1,882 1 3	.....	240 0 0	Gya ...
-17 14 6	7,224 9 5	24,323 6 1	5,847 2 3	97 4 1	.....	132 0 0	Shahabad ...
294 3 8	7,515 4 4	20,782 13 7	6,638 8 6	131 5 0	.....	.....	Mozufferpore ...
37 0 9	20,631 7 9	34,937 12 5	5,395 1 0	148 6 0	83 10 6	1,720 0 0	Darbhanga ...
238 9 5	8,507 4 3	10,763 1 1	4,801 11 5	40 14 9	290 0 0	1,682 0 0	Sarun ... 30
80 1 6	1,673 14 7	6,270 11 9	4,604 15 9	319 8 0	.....	352 5 9	Chumprun ...
.....	19,586 1 3	12,792 10 6	4,070 0 4	120 14 0	.....	3,800 0 0	Monghyr ...
.....	5,969 3 0	10,109 1 9	5,965 5 0	482 2 0	.....	.....	Bhagalpur ...
2 12 0	2,405 9 9	8,053 12 0	2,643 11 0	65 12 0	.....	2,172 0 0	Purneah ...
61 9 0	603 13 11	6,506 13 2	1,386 7 0	82 11 0	.....	788 0 0	Maldah ... 35
100 10 3	490 2 4	7,722 3 11	1,938 1 10	33 0 0	.....	.....	Cuttack ...
82 2 10	2,645 13 4	7,753 4 0	792 0 9	131 1 0	.....	.....	Pooroe ...
116 5 0	138 14 5	19,008 7 10	597 0 0	24 0 0	.....	.....	Balasore ...
5 14 0	95 0 0	5,888 9 9	1,781 12 0	1 14 0	.....	.....	Hazaribagh ...
-1 9 9	906 1 6	4,541 7 9	1,747 11 6	240 4 6	.....	.....	Lohardugga ... 40
66 14 0	.....	3,208 0 9	1,129 4 0	.....	.....	.....	Manbhoom ...
5,122 5 5	2,45,706 7 1	4,24,788 13 6	1,17,170 1 11	9,898 1 10	283 10 6	24,391 2 11	Total.
.....	4,294 9 10	1,510 0 0	416 0 0	.....	.....	.....	Chittagong Hill Tracts ...
4 14 0	1,614 2 0	1,124 9 5	1,294 15 0	7 3 0	.....	.....	Southal Pargunnahs ...
17 12 9	374 15 0	3,764 14 0	270 0 0	.....	.....	.....	Singbhoom ... 44
22 10 9	6,283 10 10	11,390 7 5	1,980 15 0	7 3 0	.....	.....	Total.
5,145 0 2	2,51,990 1 11	4,26,188 4 11	1,19,151 0 11	9,905 4 10	283 10 6	24,391 2 11	GRAND TOTAL.



## EXPEN

DISTRICTS.	PUBLIC WORKS.		IRRIGATION.		MISCELLANEOUS.			Contribution to Provincial Government.
	Total.		Canal toll establishment and contingencies.	Staging bungalow establishment and contingencies.	Staging bungalow petty construction and repairs.	Miscellaneous.	Total.	
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
1 Burdwan	26,825 13 3	.....	.....	68 0 0	.....	95 0 3	163 0 3	.....
Bankura	2,878 7 6	.....	.....	53 0 0	.....	162 10 0	195 10 0	.....
Beerbhoom	11,679 12 11	.....	.....	.....	.....	.....	.....	.....
Midnapore	16,335 8 9	.....	.....	.....	.....	.....	.....	.....
Hooghly	24,721 1 3	.....	.....	.....	.....	.....	.....	.....
24-Pargunnahs	10,380 11 6	.....	.....	.....	.....	691 13 9	691 13 9	.....
Nuddea	18,737 9 9	.....	.....	79 8 0	.....	178 2 0	257 10 0	.....
Jessore	28,996 13 4	.....	.....	72 6 0	326 0 0	.....	398 6 6	.....
Khoulna	15,676 13 11	.....	.....	.....	.....	.....	.....	.....
10 Moorshedabad	18,621 5 8	.....	.....	.....	.....	.....	.....	.....
Dinagore	16,680 10 7	.....	.....	.....	.....	.....	.....	.....
Rajshahy	16,562 11 6	.....	.....	.....	231 0 3	.....	231 0 3	.....
Rangpore	21,334 5 6	.....	.....	60 8 0	.....	6 6 0	66 14 0	.....
Bogra	23,275 2 9	.....	.....	.....	.....	.....	.....	.....
15 Pubna	13,580 8 0	.....	.....	.....	.....	.....	.....	.....
Darjeeling	2,196 3 9	.....	.....	.....	.....	.....	.....	.....
Julpigoree	17,192 4 0	.....	.....	93 0 0	86 9 6	8 10 0	183 3 6	.....
Dacca	20,198 7 10	.....	.....	.....	.....	.....	.....	.....
Farredpore	13,142 5 3	.....	.....	.....	.....	.....	.....	.....
20 Backergunge	29,629 4 11	.....	.....	.....	.....	.....	.....	.....
Tipperah	8,334 1 0	.....	.....	.....	.....	.....	.....	.....
Mymensingh	12,955 13 0	.....	.....	.....	.....	.....	.....	.....
Chittagong	13,663 6 7	.....	.....	.....	.....	.....	.....	.....
Noakhally	29,420 11 3	.....	.....	.....	.....	.....	.....	.....
25 Patna	42,960 8 0	.....	.....	590 15 2	83 8 6	.....	674 3 3	.....
Gya	31,282 4 0	.....	.....	.....	.....	900 0 0	900 0 0	.....
Shahabad	37,024 5 10	.....	.....	171 8 0	45 5 0	.....	216 13 0	.....
Mozufferpore	34,867 15 5	.....	.....	58 4 0	.....	16 2 0	74 6 0	.....
Durbhanga	60,866 5 8	.....	.....	105 7 0	45 4 0	.....	150 11 0	.....
30 Sarun	26,204 15 6	.....	.....	53 4 0	58 8 0	11 14 0	163 10 0	.....
Chumparun	12,621 7 10	.....	.....	.....	.....	.....	.....	.....
Monohyr	41,940 10 1	.....	.....	.....	.....	.....	.....	.....
Bhagalpur	22,525 11 9	.....	.....	.....	130 9 0	.....	130 9 0	.....
Purneah	15,340 12 9	.....	.....	.....	.....	298 5 0	298 5 0	.....
35 Makhah	8,290 1 3	.....	.....	.....	.....	.....	.....	.....
Cuttack	10,173 8 1	.....	.....	144 8 0	84 7 8	.....	228 15 8	.....
Pooree	11,322 2 4	.....	.....	50 0 0	586 3 6	.....	636 3 6	.....
Balsore	15,768 6 3	.....	.....	27 0 0	150 0 0	.....	177 0 0	.....
Hazaribagh	7,767 3 9	.....	.....	27 0 0	.....	.....	27 0 0	.....
40 Lohardugga	7,435 9 3	.....	.....	35 10 0	0 8 0	.....	36 2 0	.....
Manbhoom	4,357 4 9	.....	.....	.....	526 15 8	.....	526 15 8	.....
Total	8,22,238 5 9	.....	.....	1,539 14 9	2,314 10 1	1,770 5 0	5,644 13 10	.....
Chittagong Hill Tracts	6,220 9 10	.....	.....	161 5 3	.....	.....	161 5 3	.....
44 Sonthal Pargunnahs	5,040 13 5	.....	.....	.....	.....	.....	.....	.....
Singbhoom	4,400 13 0	.....	.....	.....	.....	.....	.....	.....
Total	10,671 4 3	.....	.....	161 5 3	.....	.....	161 5 3	.....
GRAND TOTAL	8,41,909 10 0	.....	.....	1,721 4 0	2,314 10 1	1,770 5 0	5,806 3 1	.....

## ROAD FUND.

Road Committees for the Second Quarter of the Cess Year 1883-84,

March 1884.

## DITURE.

EXPENSE ACCOUNTS.			Total expenditure.	Balance of imprest in hands of Engineers and others increased.	Balance of uncashed cheques decreased.	Total outlay.	DISTRICTS.
Advances.	Deposits.	Total.					
Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
6,773 10 0	2,870 12 0	9,644 6 0	44,859 6 4	.....	372 0 0	45,231 6 4	Burdwan ... 1
360 0 0	2,106 0 0	2,466 0 0	7,330 8 1	.....	.....	7,330 8 1	Bankoora ...
994 2 6	.....	994 2 6	14,734 12 0	75 5 3	.....	14,811 1 3	Beerbhoom ...
6,004 14 9	1,331 5 9	7,336 4 6	20,156 13 10	52 8 0	.....	20,209 5 10	Midnapore ...
10,615 0 0	1,019 0 0	11,634 0 0	42,986 10 11	.....	.....	42,986 10 11	Hoochly and Howrah ... 5
.....	1,851 10 6	1,851 10 6	24,146 8 10	.....	.....	24,146 8 10	24-Pergunnahs ...
427 8 0	379 14 6	807 6 6	21,738 7 6	139 15 0	.....	21,878 6 6	Nuddia ...
1,403 1 0	.....	1,403 1 0	32,540 8 0	.....	749 0 0	33,289 2 0	Jessore ...
2,511 5 3	100 0 0	2,611 5 3	20,903 12 6	.....	270 1 6	20,935 12 6	Khopola ...
1,380 0 0	287 13 0	1,667 13 0	21,706 6 5	.....	.....	21,976 7 11	Moorshedabad ... 10
3,016 4 0	.....	3,016 4 0	21,483 3 9	1,000 0 0	83 5 3	22,566 9 0	Dinapore ...
4,594 12 6	515 0 0	5,109 12 6	24,973 5 11	.....	131 6 3	25,104 12 2	Rajshahiye ...
1,072 12 0	.....	1,072 12 0	25,516 0 7	100 0 0	.....	25,616 0 7	Rungpore ...
2,103 3 11	.....	2,103 3 11	26,524 3 2	2,500 0 0	.....	29,024 3 2	Bogra ...
2,792 1 9	186 4 0	2,978 5 9	18,880 4 11	.....	120 0 0	18,990 4 11	Padma ... 15
6,452 8 0	.....	6,452 8 0	9,654 11 8	.....	1,290 8 0	10,945 3 8	Darjeeling ...
2,206 0 0	.....	2,206 0 0	20,781 3 3	.....	.....	20,781 3 3	Julpigoree ...
4,089 8 0	.....	4,089 8 0	32,785 13 10	150 0 0	.....	32,935 10 10	Dacca ...
2,634 0 0	389 8 0	3,023 8 0	20,283 9 0	500 0 0	.....	20,783 9 0	Furzedpore ...
190 0 0	420 0 0	610 0 0	38,232 8 11	.....	.....	38,232 8 11	Bachergunge ... 20
.....	.....	.....	9,062 6 1	.....	.....	9,062 6 1	Tipperah ...
2,304 0 0	1,402 2 0	3,706 12 0	21,516 1 3	.....	445 9 3	21,961 10 6	Mymensingh ...
300 0 0	12,443 12 9	12,743 12 9	30,245 3 8	.....	.....	30,245 3 8	Chittagong ...
1,106 18 6	101 0 0	1,207 18 6	32,440 1 8	.....	11,310 12 1	43,752 13 9	Noakhally ...
3,042 0 0	.....	3,042 0 0	50,567 5 10	500 0 0	.....	51,067 5 10	Patna ... 25
2,074 10 4	921 7 6	2,996 1 10	38,587 0 4	.....	.....	38,587 0 4	Gya ...
5,226 3 6	319 13 2	5,545 6 8	45,942 2 10	.....	3,950 11 9	49,892 14 7	Shahabad ...
100 0 0	996 0 0	1,096 0 0	38,660 14 7	50 0 0	273 4 11	38,933 5 6	Mozufferpore ...
8,305 0 0	.....	8,305 0 0	74,360 0 4	.....	.....	74,360 0 4	Durblunga ...
10,812 13 0	.....	10,812 13 0	41,772 14 5	.....	1,151 14 7	42,924 12 10	Sarun ... 30
1,807 12 8	.....	1,807 12 8	15,273 13 11	.....	7,963 3 7	23,237 1 6	Chumpanun ...
8,080 0 0	646 0 0	8,726 0 0	52,006 11 11	.....	.....	52,006 11 11	Mouhbyr ...
3,853 11 2	5,371 10 3	9,225 5 8	35,197 6 4	.....	221 15 0	35,419 5 4	Bhagalpur ...
7,544 5 5	.....	7,544 5 5	24,414 10 5	8 2 0	507 4 0	24,921 0 5	Purneah ...
861 4 3	.....	861 4 3	10,120 1 5	.....	954 13 6	11,074 14 11	Maldah ... 35
.....	.....	.....	15,725 10 0	.....	86 14 10	15,812 8 10	Cuttack ...
70 0 0	.....	70 0 0	13,914 7 5	.....	.....	13,914 7 5	Pooree ...
1,530 0 0	.....	1,530 0 0	23,612 14 8	.....	.....	25,612 14 8	Balassore ...
49 0 0	554 8 3	603 8 3	9,373 11 2	.....	.....	9,373 11 2	Hazaribagh ...
2,637 4 0	1,580 13 0	4,208 1 0	12,571 5 11	139 8 6	.....	13,001 9 5	Lohardugga ... 40
.....	.....	.....	6,038 14 10	.....	.....	6,038 14 10	Manbhoom ...
1,17,346 11 9	35,854 6 8	1,53,201 2 5	11,00,019 5 3	5,507 1 9	29,886 12 6	11,36,013 3 6	Total.
527 6 6	.....	527 6 6	6,748 0 4	548 1 8	.....	7,296 2 0	Chittagong Hill Tracts ...
74 0 0	.....	74 0 0	9,408 14 11	86 0 0	.....	9,492 14 11	Sonthal Pergunnahs ...
.....	.....	.....	4,525 13 6	.....	.....	4,525 13 6	Singbhoom ... 46
601 6 6	.....	601 6 6	20,680 12 9	634 1 8	.....	21,314 14 5	Total.
1,17,948 2 3	35,854 6 8	1,53,802 8 11	11,21,300 2 0	6,141 3 5	29,886 12 6	11,57,325 1 11	GRAND TOTAL.

R. LOGAN,

Offg. Accountant-General.

## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 2nd August 1884.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date
BENGAL.			
Western Districts.			
BURDWAN DIV.	1 Burdwan, Aug. 2 '84	2.59	Weather—oppressively hot and cloudy, with drizzling rain in the early part of the week. Transplanting of paddy has been carried on in the Sudder sub-division, by means of irrigation: elsewhere it is going on on a small scale, but on the whole prospects of <i>amun</i> gloomy. <i>Aus</i> and jute good in the Culna sub-division. Sugarcane good everywhere. Price of common rice from 13 to 15 seers per rapee. Cholera in the Selimabad thana. Public health generally good.
	Culna	2.69	
	Cutwa	1.91	
	Raneegunge	2.77	
	2 Bankoora, " 2 "	1.78	Weather—hot and cloudy, with occasional rain, which was general, but insufficient. Price of rice continues rising slightly, in consequence. Public health good.
	Bishenpore	1.26	
	Maliara	2.82	
	3 Khattria	1.19	Weather—cloudy, with occasional light showers. The insufficient rain has retarded the transplanting of paddy seedlings. In Ramporehaut, prospects of crop reported to be bad. Price of rice somewhat higher and supplies less abundant. Some cases of cholera reported, otherwise general health good.
	Beerbhoom, " 2 "	1.54	
	Rampore Haut	3.02	
4 Midnapore, " 2 "	6.04	Weather—cloudy and sultry. Transplanting of paddy going on everywhere. More rain wanted at Ghatal. Public health good, except at Ghatal, where fever is breaking out.	
5 Hooghly, " 2 "	5.34	Weather—showery. Transplanting of <i>amun</i> going on during the week, but much more rain needed for high lands. Public health good for the time of the year, but fever is beginning to show itself. Prices still steady.	
Jehanabad	.63	Weather—fine and clear with occasional showers of rain. More rain urgently needed for late paddy crop in south of the district. Other crops doing well. Small-pox has made its appearance in the Bagnan thana. Prices rising slightly.	
Serampore	5.58		
Howrah, " 4 "	2.54		
Ooloberiah	1.76		
Central Districts.			
PRESIDENCY DIV.	6 24-Pergunnahs Aug. 4 '84	3.67	Weather—seasonable. Prospects of <i>aus</i> paddy, jute, and sugarcane good. Transplanting of <i>amun</i> paddy going on everywhere. Public health generally good; stray cases of fever and cattle-disease reported.
	7 Nuddea, " 2 "	1.42	Weather—close, and cloudy with slight showers of rain. Rain greatly needed for both <i>aus</i> and <i>amun</i> in the sub-divisions north of the Sudder station. The rainfall at Meherpur has done some good. Rain wanted in some parts of Ranaghat for transplanting of <i>amun</i> . Fever continues.
	Kooshtea	.99	
	Choondanga	1.01	
	Meherpore	2.04	
	8 Ranaghat	.40	Weather—changeable, with a fair amount of rain. Prospects of crops good. Public health fair.
	Khoolna, " 2 "	3.17	
	9 Jessore, " 2 "	0.39	Weather—hot, with slight occasional rain. Harvesting of <i>aus</i> crop has commenced. Prospects of crops fair. Want of rain has retarded the progress of transplanting of <i>amun</i> paddy. General health good.
	Jhenida	2.79	
	Magoorah	1.04	
	Narail	.98	
	Bongong	1.58	Weather—hot and sultry. The recent rain has saved seedlings for the present, and has allowed transplanting to be proceeded with, but more rain wanted. A good deal of <i>aus</i> has been cut, and the ear rubs out better than was expected. Public health good.
	10 Moorsheadabad, " 2 "	2.71	
	Jungipore	3.21	
	Kandi	3.91	
	11 Dinagepore, Aug. 1 '84	71	Weather—fine with little rain. Rain still much wanted for transplanted paddy; other crops doing well.
	12 Rajshahye, " 2 "	1.53	Weather—cloudy and hot. Prospects of <i>aus</i> and <i>amun</i> generally good. More rain wanted for <i>amun</i> . <i>Aus</i> on high lands in some parts reported to have suffered to some extent for want of sufficient rain. Public health fair.
	Nattore	3.14	
Nowgong	1.57	Weather—very hot. Rain much wanted to facilitate transplanting of <i>amun</i> paddy in some parts. <i>Aus</i> and jute are being harvested. Malarious fever prevailing at the head-quarters. Public health otherwise fair.	
13 Rungpore, " 2 "	3.57		
Nilphamari	1.62		
Gaibanda	6.20		
Kurigram	.63	Weather—very sultry with a little rain. More rain is wanted for transplanting paddy seedlings. Public health fair.	
14 Bogra, " 2 "	1.90		
15 Pubna, " 2 "	0.68	Weather—slight showers during the week. State of standing crops good. Harvesting of <i>aus</i> going on; jute is coming into the market. Rivers commenced to rise again rapidly.	
16 Darjeeling, " 2 "	7.74	Weather—unusually warm and fine. Prospects of crops good, except for some complaints of blight on tea in the southern hills.	
17 Julpigoree, " 2 "	2.82	Weather—unusually hot. More rain urgently needed. Harvesting of <i>bhadoi</i> crops has commenced. Prices continue stationary. Cholera reported from Mynagoree: it has abated in Kyrantee. Public health good in other parts of the district.	

No.	District. and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.	
BENGAL.—concl'd.				
Eastern Districts.				
Dacca Divn.	18 Dacca, Aug. 2 '84	1.59	Weather—cloudy and hot. Harvesting of early paddy and jute continues. Public health good. Prospects of crops good.	
	Manickgunge ...	1.13		
	Moonsheegunge ...	1.34	Weather—very sultry, with occasional heavy showers of rain. State and prospects of paddy, jute, sugarcane, and other standing crops good, but more rain wanted. Public health not so good as before. Fever and bowel-complaints rather prevalent.	
	Naraingunge ...	1.16		
	19 Furreedpore, " 2	2.63		
	Goalundo ...	3.22		
	Madaripore ...	1.11	Weather—seasonable. <i>Aus</i> crop doing well. Transplanting of <i>amun</i> going on. Public health good. Fever has made its appearance in some parts of the Perozepore sub-division.	
	20 Backergunge, July 31	1.62		
	21 Mymensingh, Aug. 1	.84	Weather—hot and cloudy. State and prospects of crops good, but more rain wanted.	
	Jamaipore ...	.46		
Kishoregunge ...	.68			
Attia ...	.46			
Netrokona ...	2.90	Weather—warm with occasional showers of rain. Prospects of crops fair. Harvesting of <i>aus</i> nearly completed with 12 annas outturn. Prices stationary. Cholera and cattle-disease continue.		
22 Chittagong, Aug. 3 '84	5.8			
23 Noakholly, " 1	6.56		Weather—generally close and sultry, with light showers at intervals. <i>Aus</i> crop being reaped. Outturn expected to be 12 annas. Transplanting of <i>amun</i> continues. Prospects of crops good.	
24 Tipperah, " 1	3.10			
Chittagong Divn.	Brahmunberiah ...	1.36	Weather—showery, rainfall unusually scanty. In the Sudder sub-division, standing crops doing well, except in thanas Muradnagar and Laksham, where rain is much wanted. Want of rain is also felt in other sub-divisions.	
	Chandpore ...	.85		
	25 Chittagong Hill Tracts, July 29	1.21	Weather—cloudy and hot. Cotton crop very good. More rain wanted for paddy. Scarcity of food reported from the Government khas mehal.	
	Hill Tipperah " 30	1.66		
BEHAR.				
Patna Divn.	26 Patna, Aug. 2 '84	0.08	Weather—occasionally cloudy, with little or no rain. <i>Bhadoi</i> crop and paddy seedlings are suffering from want of rain. Cholera still reported.	
	Behar ...	.48		
	Dinapore ...	.78	Owing to want of rain prospects of crops very bad. Unless there be a good fall, of rain within the next week, there will be cause to fear scarcity. Rain urgently needed. If it comes within the next week in sufficient quantity prospects will be moderately favourable. Cholera reported from several stations.	
	27 Gya, " 2	1.12		
	28 Shahabad, " 2	1.4		Weather—very hot and occasionally cloudy. The recent rain has, to a slight extent, accelerated transplanting of paddy seedlings and benefitted <i>bhadoi</i> , but more is urgently wanted to push on agricultural operations successfully. Seedlings already showing signs of injury for want of sufficient rain; heat intense.
	Buxar ...	1.55		
	Bhabua ...	.36	Weather—hot and oppressive, sometimes cloudy. Owing to scanty rainfall, prospects of <i>bhadoi</i> crops becoming uncertain. Transplanting of paddy also, at a standstill in many places. Prices stationary. Public health good.	
	Sasseram ...	1.55		
	29 Durbhunga, " 2	1.04	Weather—hot and cloudy, with signs of rain. Prospects of crops promising. Transplanting of paddy in progress. More rain wanted everywhere. Price stationary. Public health generally good.	
	Madhubani ...	.79		
	Tajpur ...	1.71	Weather—bright and sultry, occasionally cloudy. Very little rain fell during the week. <i>Maikai</i> and other <i>bhadoi</i> crops doing well, but transplanting of paddy has been retarded for want of rain. Manufacture of indigo in progress. Prices steady. Public health good.	
	30 Mozufferpore, " 2	3.66		
	Sitamarhi ...	1.49	Weather—very hot. <i>Bhadoi</i> crops doing well, but rain badly wanted for paddy, which is being transplanted everywhere. Prices stationary. Public health fair. A few cases of fever reported from interior.	
	Hajipore ...	0.64		
	31 Sarun, " 2	2.01	Weather—hot and generally cloudy. Prospects continue good, but want of rain beginning to be serious for <i>aghani</i> crops, transplanting of which is being retarded.	
	Sewan ...	.88		
	Gopalgunge ...	3.15	Recent heavy rain improved prospects of crops, but the fall was not general. Transplanting of paddy stopped for want of rain in the greater part of the district. Prospects generally not so good as they were three or four weeks ago.	
	32 Chumparun, " 2	0.34		
Bhagulpore Divn.	33 Monghyr, Aug. 2 '84	.82	Weather—hot and sultry. Standing crops suffering from want of rain. Health fair.	
	Beguserai ...	2.09		
	Jamui ...	.77	Weather—hot, cloudy, and clear alternately. Prospects of <i>haimanti</i> paddy not favourable. More rain much wanted for its growth and for transplanting. <i>Bhadoi</i> paddy being reaped. Prices of food-grains stationary. Public health generally good. Rivers have again risen, but are not yet so high as to inundate lands required for late paddy.	
	34 Bhagulpore, " 2	4.74		
	Banka ...	1.47	Weather—clouds and sunshine alternately, but very scanty rain fell everywhere, except in Jamtara, where it is said to be sufficient. All <i>bhadoi</i> crops, except paddy, are everywhere as good as could be wished for, weather being most favourable for them; the outturn promises to be a full one. For <i>bhadoi</i> paddy and for <i>aghani</i> crop, the rainfall is generally insufficient. A great deal remains to be planted out, and the season for transplanting is fast passing away.	
	Sopole ...	.68		
	Modhubani ...	.57		
	35 Purneah, " 2	3.09		
	36 Maldab, " 2	0.81		
	37 Sonthal Perghs. " 2	1.61		
Deoghur ...	2.24			
Godda ...	1.07			
Rajmehal ...	1.53			
Jamtara ...	3.82			
Pakour ...	1.55			



No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
ORISSA.			
ORISSA DIV.	38 Cuttack, Aug. 1 '84	2.59	Weather—cloudy, with occasional showers. <i>Beali</i> being weeded, <i>sarad</i> being transplanted. More rain wanted. In some parts crops are under water. Price of rice stationary. Public health generally good. Scattered cases of cholera reported from the interior.
	39 Pooree, " " "	.57	Weather—cloudy and hot. Weeding and transplanting of <i>sarad</i> going on. <i>Beali</i> in ear. Considerable damage is apprehended to paddy in pergunahs Rohang Serai, Chabiskund, and Kotrahung owing to recent floods. Common rice selling at an average of 20 to 22 seers per rupee. Sporadic cases of cholera reported.
	40 Balasore, " 1 "	8.98	Weather—cloudy, with frequent showers of rain. Prospects of <i>sarad</i> crops good. Transplanting of paddy progressing favourably. Price of rice stationary. Public health generally good.
CHOTA NAGPORE.			
South-West Frontier Agency.			
41	Hazaribagh, Aug. 1 '84	2.39	Weather—showery and sunny alternately. Prospects of <i>bhadoi</i> crops good. In some places transplanting of paddy commenced, but more rain wanted throughout the district. Prices of food-grains continue high. Cholera and small-pox reported from certain places; otherwise public health good.
42	Lohardugga, " 2 "	3.37	Weather—seasonable. Good rain throughout the week almost general, but towards the west and in Palamow there was no rain till 29th, when rain throughout the district, fell generally. Transplanting continues and <i>bhadoi</i> crops doing well. Prices stationary. Cholera still reported in Palamow on the borders of Gya.
	Palamow (23rd to 29th July 1884)	1.42	
43	Singbhoom, " 1 "	3.12	Weather—seasonable. Rainfall general and abundant. Prospects continue favourable, and all crops promise well. Fever still very prevalent, otherwise public health good.
44	Manbhoom, " 2 "	2.16	Weather—rain and sunshine alternately. Indian-corn and other standing crops promise well. The rain during the week has been fairly general, and transplanting has made good progress. Coarse rice sold on 2nd instant in the Purulia market at 19½ seers per rupee. Cholera and small-pox still reported.
	Govindpore, " "	3.22	
	Burrabazar (24th to 30th ultimo)	4.92	

Published for general information.

CALCUTTA, STATISTICAL DEPT.,

The 6th August 1884.

COLMAN MACAULAY,

Secy. to the Govt. of Bengal.

PRICES-CURRENT OF FOOD-GRAINS, FIREWOOD, AND SALT IN THE DISTRICTS  
OF BENGAL FOR THE FORTNIGHT ENDING 31st JULY 1894.



## PRICES-CURRENT of Food-grains, Firewood and Salt in the

RETAIL SALE:—QUANTITIES PER RUPEE BY

RETAIL SALE:—QUANTITIES PER RUPEE BY

Number.

DISTRICTS.

WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULWURH MILLET— CUMBOO, BAJRA.			GREAT MILLET— CHOLU JOWAR.		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.

BENGAL.

Western Districts.

		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
1	Burdwan ...	A 14 8	15 0	16 8	22 8	22 8	20 0	12 4	12 8	17 4	15 12	17 4	22 12	...	...	...	...	...	...	...
2	Bankoora ...	B 16 0	16 8	14 12	17 0	18 0	16 0	12 8	12 8	19 0	15 8	16 4	25 0	...	...	...	...	...	...	...
3	Beerbhoom ...	C 16 0	15 0	15 0	...	...	...	14 0	13 8	16 8	16 0	16 0	21 0	...	...	...	...	...	...	...
4	Midnapore ...	D 14 0	12 0	14 0	20 0	20 0	17 0	14 0	14 0	18 0	18 0	18 0	22 0	...	...	...	...	...	...	...
5	Hooghly ...	E 15 0	14 0	13 0	...	...	...	8 0	8 0	9 0	13 0	14 0	15 0	...	...	...	...	...	...	...
	Howrah ...	...	14 0	14 0	13 4	...	...	...	11 4	11 8	13 8	13 8	13 4	17 8	...	...	...	...	...	...

Central Districts.

		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
...	Calcutta ...	F 17 12	16 0	14 9	21 5	20 0	18 13	8 14	8 0	10 12	11 6	13 0	16 0	15 0	15 0	20 0	...	19 0	...	...
6	24-Pergunnahs ...	G 14 0	14 8	13 5	17 8	17 8	16 0	8 0	8 0	8 0	13 12	14 8	14 0	...	...	...	...	...	...	...
7	Nuddea ...	H 16 12	17 4	14 8	21 5	20 0	...	12 5	12 5	15 4	12 13	13 5	17 4	...	...	...	...	...	...	...
8	Khoolna ...	I ...	...	...	...	...	...	13 0	13 0	16 0	18 0	18 0	22 0	...	...	...	...	...	...	...
9	Jessore ...	J 16 0	16 0	13 4	...	...	...	13 0	13 0	16 0	16 0	15 0	21 4	...	...	...	...	...	...	...
10	Moorshedabad ...	K 18 0	18 0	15 0	...	...	...	12 8	12 8	15 6	13 8	14 8	20 0	...	...	...	...	...	...	...
11	Dinapore ...	L 17 8	14 8	16 0	14 0	13 0	17 8	12 0	14 8	16 12	13 8	15 8	19 0	...	...	...	...	...	...	...
12	Rajshahye ...	M 18 4	18 4	16 8	31 4	31 4	30 0	12 12	12 0	12 0 to 16 0	15 0	12 12	17 4 to 18 0	...	...	...	...	...	...	...
13	Rangpore ...	N 20 0	20 0	13 5	...	...	...	10 12	11 7	13 5	15 4	16 0	20 0	...	...	...	...	...	...	...
14	Bogra ...	O 16 8	16 14	15 0	...	...	...	9 12	9 12	12 0	15 12	15 12	21 0	...	...	...	...	...	...	...
15	Pubna ...	P 23 4	24 0	18 12	...	...	...	8 4	8 4	8 0	17 4	15 0	19 8	...	...	...	...	...	...	...
16	Darjeeling ...	Q ...	9 0	8 0	...	10 0	8 0	5 0	5 0	4 0	11 0	11 0	12 0	...	...	...	...	...	...	...
17	Jalpigoree* ...	R ...	10 0	10 0	...	20 0	20 0	...	11 0	12 8	...	14 0	17 0	...	...	...	...	...	...	...

Eastern Districts.

		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
18	Dacca ...	S 16 0	16 0	12 8	23 0	26 0	23 0	13 0	12 10	16 8	16 0	16 0	22 0	...	...	...	...	...	...	...
19	Furteedpore ...	T 20 0	20 0	20 0	34 0	34 0	30 0	14 0	14 0	16 0	16 0	15 0	18 0	...	...	...	...	...	...	...
20	Backergunge ...	U ...	...	...	...	...	...	15 0	15 0	19 0	18 0	18 0	21 0	...	...	...	...	...	...	...
21	Mymensingh ...	V 12 8	13 0	11 0	...	...	...	12 8	12 0	13 5	17 0	16 0	19 0	...	...	...	...	...	...	...

\* Not received.

A In the sub-divisions the retail prices of salt per rupee were:—Culina 14 seers, Cutwa 12 seers, and Rancegunge 13½ seers.

B The retail price of salt in the interior ranged from 11 to 16 seers per rupee.

C The retail price of salt in the interior ranged from 11½ to 13½ seers per rupee.

D In the sub-divisions the retail prices of salt per rupee were:—Ghatia 14 seers, Tumlook 11 seers and Contal 12½ seers.

E In the sub-divisions the retail prices of salt per rupee were:—Serampore 13 seers and Jehanabad 13½ seers.

F In the sub-divisions the retail prices of salt per rupee were:—Barasat and Basserhat 13 seers, Diamond Harbour 11 seers and Barrackpore 12½ seers.

G In the sub-divisions the retail prices of salt per rupee were:—Koochta 13 seers, Meherpore 11½ seers, Choodanga 14 seers, and Ranaghat 12½ seers.

H In the sub-divisions of Satkhira and Bagrihat the retail price of salt was 11 seers per rupee.

I In the sub-divisions the retail prices of salt per rupee were:—Jhenidah and Narail 12 seers, Bongong 13 seers and Magurah 10½ seers.

## Districts of Bengal for the Fortnight ending the 31st July 1884.

THE SEER OF 80 TOLAHS.																		WHOLESALE PRICES PER MAUND OF 40 SEERS.			DISTRICTS.													
LESSER MILLET— RAGI OR MURWA AND CHHENA.			MAIZE OR INDIAN- CORN.			GRAM.			FIRWOOD.			SALT.			SALT.																			
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.																	
S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	S.	Ch.	Rs. A.	R. S. A.	Rs. A.															
...	...	...	...	...	...	19	8	20	0	20	4	120	0	120	0	13	5	12	10	3	0	2-15-7½	3-0-3	Burdwan.										
...	...	...	24	0	24	0	20	0	17	12	18	0	17	12	240	0	320	0	280	0	12	4	13	0	12	0	3	2	3-1-8	3-3-6	Bankoora.			
...	...	...	...	...	...	19	0	19	0	21	0	160	0	160	0	100	0	12	0	12	0	10	8	3-2-6	3-2-6	3-8-3	Beerbhoom.							
...	...	...	...	...	...	16	0	16	0	16	0	155	0	155	0	12	12	12	12	12	0	2	14	2	14	2	14	2	14	2	14	Midnapore.		
...	...	...	...	...	...	18	0	18	0	16	0	120	0	120	0	13	9	13	9	13	9	2	14	2	14	2	14	2	14	2	14	Hooghly.		
...	...	...	...	...	...	18	0	18	0	16	4	80	0	80	0	80	0	13	0	13	0	13	8	3	0	3	0	2	14	2	14	Howrah.		
Central Districts.																			BENGAL.			Western Districts.												
...	...	...	...	...	...	21	5	18	10	17	12	100	0	100	0	90	0	...	13	0	14	0	2	12	2	12	2	12	2	12	Calcutta.			
...	...	...	...	...	...	17	8	17	8	17	8	100	0	90	0	80	0	12	13	12	13	13	5	3	0	3	0	2	14	2	14	24-Pergunnahs.		
...	...	...	...	...	...	22	15	22	1	20	0	...	...	...	...	11	10½	11	10½	11	10½	3	0	3	0	3	0	3	0	3	0	Nudda.		
...	...	...	...	...	...	16	0	16	0	16	0	180	0	180	0	180	0	12	0	12	0	10	8	3	2	3	2	3	4	3	4	Khoolna.		
...	...	...	...	...	...	22	8	22	8	18	0	120	0	120	0	120	0	10	12	10	12	11	0	3	2	3	2	3	2	3	2	Jessore.		
...	...	...	...	...	...	23	0	24	0	23	0	120	0	120	0	120	0	11	9	11	9	11	0	3	3	3	3	3	8	3	8	Moanshadabad.		
...	...	...	...	...	...	17	0	16	8	19	0	160	0	160	0	160	0	12	0	12	0	11	8	3	4	3	4	3	7	3	7	Dumapore.		
...	...	...	...	...	...	23	8	22	8	21	0	240	0	240	0	240	0	12	9	12	9	12	0	3	1	3	1	3-2-6	3-2-6	3-2-6	Rajshahya.			
...	...	...	...	...	...	17	0	20	0	17	3	100	0	100	0	110	0	10	6½	11	15	11	14	3	12	3	4	3-5-3	3-5-3	3-5-3	Hargapore.			
...	...	...	...	...	...	19	8	19	11	16	8	60	0	60	0	71	4	12	0	12	0	12	0	3-5-4	3-5-4	3	2	3	2	3	2	Bogra.		
...	...	...	...	...	...	22	8	23	0	18	4	200	0	200	0	200	0	12	6	12	6	12	0	3	2	3	2	3	4	3	4	Pabna.		
11	0	11	0	10	0	13	0	13	0	13	0	10	0	8	0	8	0	100	0	128	0	8	0	8	0	8	0	4	6	4	6	4	8	Darjeeling.
...	...	...	...	...	...	...	...	16	0	...	...	128	0	128	0	...	...	12	4	11	0	...	...	3	4	3	6	3	6	3	6	Julpigoree.		
Eastern Districts.																																		
...	...	...	...	...	...	19	0	19	0	17	4	80	0	90	0	110	0	13	0	12	10	12	4	3-1-6	3	2	3	4	3	4	Dacca.			
...	...	...	...	...	...	17	0	17	0	16	0	120	0	120	0	120	0	12	0	12	0	11	8	3	2	3	2	3	7	3	7	Furzedpore.		
...	...	...	...	...	...	17	0	17	0	18	0	120	0	120	0	120	0	12	0	13	0	13	0	2	11	2	11	2	11	2	11	Backergunge.		
...	...	...	...	...	...	16	0	15	8	15	8	...	...	...	...	...	...	12	8	12	8	12	4	3	3	3	3	3	4	3	4	Mymensingh.		

J In the sub-divisions the retail prices of salt per rupee were:—Lalbagh 11 seers, and Jungypore and Kandi 12 seers.

K The retail price of salt was at Maungunge 11½ seers and at Nilpore 10 seers per rupee.

L The retail price of salt at Natore was 12 seers.

M In the sub-divisions the retail prices of salt per rupee were:—Gaibanda 14 seers, Kurigram 13 seers and Nilphamari 12 seers.

N The retail price of salt at Barisal was 13 seers per rupee.

O The retail price of salt per rupee was at Kuseong 8 seers, and at Silligoree 10 seers.

P In the sub-divisions the retail prices of salt per rupee were:—Maungunge 12 seers, and Naraingunge 13 seers, Moonshagunge 10 seers 10½ chittacks.

Q In the sub-divisions the retail prices of salt per rupee were:—Gaulando 13 seers, Madaripore and Bhanga 12 seers, and Gopalgunge 12½ seers.

R In the sub-divisions the retail prices of salt per rupee were:—Patoakhali 10½ seers, Pirozapore 11 seers and Bhola 10 seers.

S In the sub-divisions the retail prices of salt per rupee were:—Atica 12 seers, Jamalpore 11½ seers and Notrokona 1½ seers.

## PRICES-CURRENT of Food-grains, Firewood and Salt in the

Number.	DISTRICTS.	RETAIL SALE :—QUANTITIES PER RUPEE BY THE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULRUSH MILLET— CUMBOO, BAJRA.			GRAT MILLET— CHOLU JOWAR.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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\* Not received.

(a) The price of rice in the interior ranged from 19 seers 11 chittacks to 26 seers 4 chittacks per rupee.

T The retail price of salt at Cox's Bazar was 9 seers per rupee.

U In the interior the retail price of salt ranged from 9 to 11 seers per rupee.

V In the sub-divisions the retail price of salt per rupee was at Brahmanbarah and Chandpore 12½ seers.

W In the sub-divisions the retail prices of salt per rupee were:—Jehanabad 12 seers, Nowada 10 seers.

X In the sub-divisions the retail prices of salt per rupee were:—Buxar and Sasaram 11½ seers, and Hhabhua 11 seers.

Y In the interior the retail prices of salt ranged from 10 to 12 seers.

*Districts of Bengal for the Fortnight ending the 31st July 1884.—(Concl'd.)*

SEER OF 80 TOLAHS.																		WHOLESALE PRICES PER MAUND OF 40 SEERS.				DISTRICTS.
LESSER MILLET— RAJOT OR MURWA AND CHEENA.			MAIZE OR INDIAN- CORN.			GRAM.			FIREWOOD.			SALT.			SALT.							
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.					
S. Ch. S.																						

2. In the sub-divisions the retail prices of salt per rupee were :—Sewan 11½ seers, Gopalgunge 12 seers.  
 21. In the interior the retail price of salt per rupee ranged from 10 to 18½ seers.  
 22. In the sub-divisions the retail price of salt per rupee was : at Begusarai and Jamui 11 seers.  
 23. In the sub-divisions the retail prices of salt per rupee were :—Khasimgunge 10 seers, and at Rase-gunge at Arraresh sub-division 11 seers.  
 24. The retail price of salt at Godda and Rajmahal was 11 seers per rupee and at Deoghur 13 seers per rupee.  
 25. The retail price of salt at Bhadrach was 3 seers per rupee.  
 26. The retail price of salt at Chattr was 10 seers and at Khatruddha 11 seers per rupee.  
 27. The retail prices of salt in the interior ranged from 10 to 12 seers per rupee.

Published for general information.

COLMAN MACAULAY,  
Secretary to the Govt. of Bengal.



## WHOLESALE PRICES-CURRENT of Food-grains, Fire-wood, and Salt in

Number.	MARTS.	PRICES PER MAUND														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULUSH MILLET— CUMBOO BAJRA.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	2 4 0	2 6 0	...	1 14 0	1 15 0	...	4 8 0	4 8 0	...	3 8 0	3 0 0	...	2 10 0	2 10 0	...
2	Serajgunge ...	2 10 0	2 4 0	1 12 0	...	...	...	3 12 0	3 10 0	4 0 0	2 8 0	2 6 0	2 3 0	...	...	...
3	Dacca ...	2 6 0	2 6 0	3 1 0	1 8 6	1 8 0	1 12 0	3 1 0	3 2 0	2 4 0	2 7 0	2 7 0	1 13 0	...	...	...
4	Naraingunge ...	...	...	...	...	...	...	2 6 0	2 8 0	1 15 0	2 5 0	2 6 0	1 13 0	...	...	...
5	Chittagong ...	...	2 11 0	3 14 0	...	...	...	3 0 0	3 0 0	2 10 0	2 6 0	2 6 0	1 14 0	...	...	...
6	Patna ...	1 14 6	1 14 6	1 14 6	1 13 0	1 11 6	1 4 6	3 0 0	3 1 0	2 11 0	2 13 9	2 13 9	2 8 0	...	...	...
7	Balasore ...	2 4 0	2 2 0	2 12 0	3 2 0	3 2 0	...	3 0 0	3 0 0	2 10 0	1 13 0	1 13 0	1 5 0	...	...	...
8	Pooree ...	...	...	...	...	...	...	...	...	...	2 2 0	1 14 6	2 2 0	...	...	...
9	Cuttack ...	2 0 0	2 5 0	2 14 0	...	...	...	3 0 0	3 0 0	3 0 0	2 0 0	2 5 0	1 11 0	...	...	...

CALCUTTA,  
The 4th August 1884.

*the undermentioned Marts of Bengal for the Fortnight ending the 31st July 1884.*

OF 40 SEKRS.

GRAT MILLET— CHOLU JOWAR.			LESSER MILLET— RAGI OR MURWA AND GREENA.			MAIZE OR INDIAN- CORN.			GRAM.			FIREWOOD.			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
...	...	...	...	...	...	...	...	...	1 14 0	2 2 0	...	0 5 0	0 5 9	...	...	2 12 0	...	Calcutta.
...	...	...	...	...	...	...	...	...	2 6 0	2 4 0	2 2 0	...	...	...	3 0 0	...	2 14 0	Seraingunge.
...	...	...	...	...	...	...	...	...	2 2 0	2 1 0	2 6 0	0 8 0	0 7 0	0 6 6	3 1 6	3 2 0	3 4 0	Dacca.
...	...	...	...	...	...	...	...	...	2 4 0	2 4 0	2 4 0	0 7 0	0 7 0	0 7 0	3 0 0	3 0 0	3 2 0	Naraingunge.
...	...	...	...	...	...	...	...	...	2 6 0	2 6 0	3 0 0	0 4 0	0 4 0	0 5 3	4 0 0	4 0 0	4 0 0	Chittagong.
...	...	...	...	...	...	1 12 0	1 11 6	1 4 3	1 12 0	1 9 6	1 8 6	0 5 0	0 5 0	0 5 0	3 2 0	3 2 0	3 0 0	Patna.
...	...	...	...	...	...	...	...	...	2 10 0	2 10 0	2 12 0	0 5 0	0 5 0	0 5 4	3 7 0	3 8 0	4 6 0	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2 6 0	2 6 0	2 12 0	Pogree.
...	...	...	...	...	...	...	...	...	1 10 0	1 10 0	2 0 0	0 8 0	0 8 0	0 8 0	2 12 0	2 12 0	2 12 0	Cuttack.

Published for general information.

COLMAN MACAULAY,  
Secy. to the Govt. of Bengal.



## Meteorological Report of the Province of Bengal

METEOROLOGICAL DIVISION.	DISTRICT.	Representative station.	STATION OBSERVATIONS.														Average humidity at 10 A. M.	Average cloud amount at 10 A. M. for week.
			AIR PRESSURE.			WIND.		TEMPERATURE.										
			Mean barometric height, 10 A. M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Lowest during week.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 10 A. M. temperature.				
ORISSA.	Pooree ... ..	Gopalpore ...	29.568	29.618	—	SSW	425	80.6	79.8	85.7	81.2	83.5	—	84.0	79	8.0		
	False Point*	False Point*	29.575	29.596	—0.025	WSW	288	89.4	74.6	85.5	76.8	81.2	—1.9	82.4	87	9.3		
	Cuttack ... ..	Cuttack ...	29.511	29.592	—0.081	NE	55	88.4	76.5	86.7	77.4	82.1	—1.7	83.5	79	8.3		
	Balasore ... ..	Balasore ...	29.613	29.572	—	SW	117.1	88.4	75.7	85.6	77.5	81.6	—	82.7	83	8.6		
	South-West Midnapore } South 24-Pergunnahs... }	Saugor Island ...	29.548	29.574	—0.030	SW	312	86.7	78.0	83.8	79.6	81.7	—1.5	82.3	87	8.3		
SOUTH-WEST BENGAL.	Midnapore ... ..	Midnapore ...	29.420	29.569	—	Variable	111.1	88.8	76.3	87.4	78.2	82.8	—	84.4	79	6.6		
	24-Pergunnahs ... ..	Calcutta ...	29.541	29.563	—0.042	SW	90	88.5	76.7	86.4	78.4	82.4	—0.6	85.6	82	8.8		
	Howrah ... ..	Howrah ...	29.541	29.563	—0.042	SW	90	88.5	76.7	86.4	78.4	82.4	—0.6	85.6	82	8.8		
	Hooghly ... ..	Hooghly ...	29.541	29.563	—0.042	SW	90	88.5	76.7	86.4	78.4	82.4	—0.6	85.6	82	8.8		
	Burdwan ... ..	Burdwan ...	29.463	29.562	—0.033	SE	69	92.1	78.4	80.3	79.3	84.3	+0.2	85.0	77	8.6		
	Bankoora ... ..	Bankoora ...	29.463	29.562	—0.033	SE	69	92.1	78.4	80.3	79.3	84.3	+0.2	85.0	77	8.6		
	Beerbhoom ... ..	Raigunge ...	29.221	—	—	SW.ENE	139.3	92.5	76.8	85.0	78.3	83.5	—	84.0	82	7.9		
	West Burdwan ... ..	West Burdwan ...	29.221	—	—	SW.ENE	139.3	92.5	76.8	85.0	78.3	83.5	—	84.0	82	7.9		
	Moorshedabad ... ..	Berhampore ...	29.499	29.565	—0.025	E	107.9	93.7	77.5	89.6	78.7	84.2	+0.2	85.2	83	8.9		
	Nudda ... ..	Nudda ...	29.499	29.565	—0.025	E	107.9	93.7	77.5	89.6	78.7	84.2	+0.2	85.2	83	8.9		
	Jessore ... ..	Jessore ...	29.537	29.570	—0.031	S	106	90.7	77.4	88.8	79.3	84.1	+0.7	85.4	81	9.9		
Khoolna ... ..	Khoolna ...	29.537	29.570	—0.031	S	106	90.7	77.4	88.8	79.3	84.1	+0.7	85.4	81	9.9			
EAST BENGAL.	Chittagong ... ..	Chittagong ...	29.550	29.639	—0.027	SE	161	87.1	75.0	85.6	76.1	80.6	—0.4	82.2	85	5.7		
	Chittagong Hill Tracts... }	Demagiri ...	29.550	29.639	—0.027	SE	161	87.1	75.0	85.6	76.1	80.6	—0.4	82.2	85	5.7		
	Backergunge ... ..	Barrisal ...	29.588	—	—	SE	112.2	87.1	72.4	84.6	77.0	80.8	—	83.3	86	9.3		
	Nonkholy ... ..	Nonkholy ...	29.620	29.664	—	ESE	395.6	86.7	76.5	85.9	77.2	81.1	—	83.3	81	8.9		
	Furreedpore ... ..	Furreedpore ...	29.549	—	—	SE	162.6	89.5	78.9	88.1	78.3	83.2	—	85.0	79	6.1		
	Dacca ... ..	Dacca ...	29.568	29.590	—0.012	SSE	165.0	89.8	77.2	88.4	78.8	83.6	+0.5	86.7	80	7.3		
	Commillah ... ..	Commillah ...	29.575	29.611	—	SE	117.1	89.4	75.8	87.0	76.8	81.9	—	82.8	81	5.6		
	Mymensingh ... ..	Mymensingh ...	29.554	—	—	SE	149.3	90.3	77.9	88.9	77.9	83.4	—	84.6	81	6.9		
	Bogra and Pabna ... ..	Seraigunge ...	29.537	29.581	—	SE	169.5	90.1	77.2	88.6	78.0	83.5	—	84.0	81	6.9		
	Rajshahy ... ..	Rampore Beaulah ...	29.491	29.565	—	SE	out of order 141.4	91.6	75.6	88.1	76.9	82.5	—	85.3	79	4.7		
NORTH BENGAL.	Dinagore ... ..	Dinagore ...	29.461	29.580	—	SE	141.4	92.1	77.1	90.2	78.9	84.6	—	85.4	81	4.9		
	Rangpore ... ..	Rangpore ...	29.477	29.600	—	SE	118.4	92.8	77.9	90.5	77.9	84.2	—	85.3	81	4.6		
	Julpigoree ... ..	Julpigoree ...	29.512	29.598	—	E	124.4	92.0	74.1	88.8	77.1	83.0	—	84.2	82	5.0		
	Cooch Behar ... ..	Cooch Behar ...	29.512	29.598	—	E	124.4	92.0	74.1	88.8	77.1	83.0	—	84.2	82	5.0		
	Darjeeling Hill Districts }	Darjeeling ...	22.872	—	—	ENE	67	71.1	66.1	66.7	67.2	62.0	—	64.6	91	8.4		
	Purneah ... ..	Purneah ...	29.444	29.569	—0.025	ESE	41	92.2	76.3	91.6	77.6	84.6	—0.1	80.1	81	4.4		
	North Bhagulpore ... ..	North Bhagulpore ...	29.444	29.569	—0.025	ESE	41	92.2	76.3	91.6	77.6	84.6	—0.1	80.1	81	4.4		
	Mozufferpore ... ..	Mozufferpore ...	29.393	—	—	E & ESE	—	93.2	76.0	91.9	78.3	85.1	—	87.2	81	5.3		
	Durbhunga ... ..	Durbhunga ...	29.493	29.570	—0.013	ESE	127	91.4	78.5	90.8	79.5	85.1	+1.1	85.9	83	5.9		
	Chumpran ... ..	Motifari ...	29.531	29.567	—	ESE	212.2	98.7	77.9	93.0	79.2	86.1	—	85.4	73	4.7		
SOUTH BENGAL.	Saran ... ..	Chupra ...	29.567	—	—	E	119.5	95.0	76.5	91.9	79.2	85.1	—	86.7	78	5.6		
	Shahabad ... ..	Dehree ...	29.193	29.541	—	E	335.2	89.4	77.0	85.6	79.9	82.8	—	86.2	76	5.1		
	Shahabad ... ..	Buxar ...	29.503	29.542	—	E	190.2	93.4	77.2	91.1	79.2	85.2	—	87.0	74	7.7		
	Gya ... ..	Arrah ...	29.531	29.523	—	ESE	143.5	94.4	77.6	91.8	80.4	86.1	—	86.3	79	6.1		
	Gya ... ..	Gya ...	29.154	29.527	—0.557	NE	?	94.2	77.3	92.2	77.8	86.9	+1.2	87.4	73	9.7		
	Patna ... ..	Bankipore ...	29.382	29.561	—0.111	E	141	93.9	78.2	92.4	80.2	86.3	+1.4	84.9	78	7.1		
	South Bhagulpore ... ..	Bhagulpore ...	29.382	29.544	—	Variable	81.7	92.4	76.5	90.1	78.1	84.1	—	84.5	81	4.1		
	Mouglur ... ..	Mouglur ...	29.382	29.544	—	Variable	81.7	92.4	76.5	90.1	78.1	84.1	—	84.5	81	4.1		
	Sonthal Pergunnahs ... ..	Doomka ...	29.096	—	—	ESE	209	90.1	76.7	87.3	77.6	82.6	—	83.2	92	6.9		
	Hazaribagh ... ..	Hazaribagh ...	27.566	29.556	—0.022	ESE	189	86.5	72.4	83.4	73.5	78.4	+0.2	78.6	82	10.9		
CHUTIA NAG-PUR.	Lohardugga ... ..	Lohardugga ...	27.454	29.560	—	—	—	84.0	71.5	82.7	72.8	77.8	—	78.9	83	9.4		
	Mairbhoom ... ..	Mairbhoom ...	27.454	29.560	—	—	—	84.0	71.5	82.7	72.8	77.8	—	78.9	83	9.4		
	Singbhoom ... ..	Chyabansa ...	28.791	—	—	W	35.7	89.0	76.0	87.2	77	82.1	—	82.6	80	9.6		

\* Mean for 6 days.

**Explanation of Summary.**—The normal means of air pressure and temperature are the arithmetical averages or means of the readings during the same months. The humidity of the atmosphere is expressed as a percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 100. The normal means are the arithmetical means or averages of the rainfall in that district determined from the returns sent in by the sub-divisions from the district, (i.e.) the total rainfall at the sub-divisional stations in the district sending in returns, divided by the number of stations. A rainy

for the week ending Friday, the 1st August 1884.

Rainfall of week at observing stations.	DISTRICT OBSERVATIONS.										Representative station.	DISTRICT.	METEOROLOGICAL DIVISION.
	RAINFALL.												
	Of week.		Since 1st of July.			Since 15th May.			Average number of rainy days.	Normal number of rainy days.			
	Mean for district.	Normal mean.	Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.					
0.51	—	—	—	—	—	—	—	—	—	—	Gopalpore ...	Pooree ...	ORISSA.
2.40	1.85	2.58	11.59	13.11	-1.52	19.37	24.44	-5.07	3.5	4.3	False Point ...	Cuttack ...	
4.75	2.59	2.86	9.97	13.14	-3.17	21.15	24.46	-3.31	4.3	4.1	Cuttack ...	Balasore ...	
2.83	3.03	3.48	14.87	14.32	+0.55	28.08	24.72	+3.36	4.3	4.0	Balasore ...	South-West Midnapore ...	SOUTH-WEST BENGAL.
5.50	2.65	3.75	18.11	15.70	+2.41	32.33	28.08	+4.25	4.7	4.5	Sauzer Island ...	South 24-Pargunnahs ...	
3.42	3.05	3.55	15.88	12.82	+3.06	23.29	24.51	-1.22	3.3	4.1	Midnapore ...	Midnapore ...	
1.20	3.16	4.02	10.26	13.01	-2.75	22.41	25.88	-3.47	4.4	5.6	Calcutta ...	Howrah ...	
2.73	1.67	3.06	6.76	10.94	-4.18	17.83	22.33	-4.50	3.7	4.9	Burdwan ...	Burdwan ...	
2.76	1.90	4.29	10.77	13.56	-2.79	18.46	20.65	-2.19	4.3	5.3	Ranigunge ...	Bankoora ...	
1.62	3.05	3.26	8.02	11.23	-3.21	17.93	23.61	-5.68	4.0	4.6	Berhampore ...	Beerbhoom ...	
3.00	1.19	5.24	7.15	10.94	-3.79	19.00	24.46	-5.46	2.8	4.6	.....	West Burdwan ...	
0.30	2.43	3.68	8.55	12.17	-3.62	27.33	29.13	-1.80	4.4	5.2	Jessore ...	Moorshedabad ...	
6.03	2.72	9.05	21.89	32.57	-10.68	59.24	68.53	-9.29	6.0	6.0	Chittagong ...	Nuddea ...	
2.80	2.09	8.19	9.86	20.47	-10.61	34.76	44.18	-9.42	6.0	6.0	Denagiri ...	Jessore ...	EAST BENGAL.
1.75	1.13	5.01	16.07	18.85	-2.78	41.82	43.46	-1.64	4.5	5.7	Barrisal ...	Khoolna ...	
3.50	4.05	6.39	19.75	24.29	-4.54	47.80	59.12	-11.32	5.0	6.0	Noakholly ...	Chittagong ...	
1.06	2.54	4.32	8.08	12.97	-4.89	23.68	30.09	-6.41	3.0	5.2	Furzedpore ...	Chittagong Hill Tracts ...	
2.25	1.20	4.92	8.98	14.87	-5.89	26.45	32.27	-5.82	3.7	5.1	Dacca ...	Backergunge ...	
0.84	1.74	4.71	12.92	14.97	-2.05	36.37	37.06	-0.69	4.0	5.3	Commillah ...	Noakholly ...	
1.04	0.82	3.88	7.86	14.72	-6.86	30.78	36.29	-5.51	3.5	5.0	Mymensingh ...	Furzedpore ...	
0.12	1.76	3.28	8.72	12.47	-3.75	22.91	28.53	-5.62	3.3	4.0	Serajunge ...	Dacca ...	
2.27	1.73	3.08	6.59	12.63	-6.04	19.85	25.39	-5.54	4.0	4.4	Rampore Beaulash ...	Commillah ...	
3.11	1.22	2.47	7.69	11.07	-3.38	24.58	29.49	-4.91	3.8	4.1	Dinagopore ...	Mymensingh ...	NORTH BENGAL.
3.13	2.91	3.21	9.35	15.24	-5.91	31.57	42.99	-11.42	2.5	3.6	Rungpore ...	Bogra and Pubna ...	
7.78	2.46	3.83	14.71	20.19	-5.48	55.44	61.10	-5.66	4.0	4.4	Jalpigoree ...	Rajshahye ...	
4.01	—	—	—	—	—	—	—	—	—	—	Darjeeling ...	Dinagopore ...	
1.04	1.82	3.57	11.16	14.39	-3.23	24.75	28.49	-3.74	2.8	4.3	Purneah ...	Rungpore ...	
0.12	1.47	2.89	8.16	11.75	-3.59	15.95	20.72	-4.77	3.2	3.9	Durbhunga ...	Jalpigoree ...	
2.27	2.05	3.12	11.47	12.59	-1.12	21.07	21.64	-0.57	1.7	3.5	Motihari ...	Cooch Behar ...	
0.84	1.45	3.26	7.76	11.97	-4.21	13.05	19.63	-6.57	3.0	4.0	Chupra ...	Darjeeling Hill Districts ...	
1.07	—	—	—	—	—	—	—	—	—	—	Dehree ...	Purneah ...	
1.13	1.09	3.08	7.24	12.38	-5.14	10.47	18.48	-8.01	1.5	4.6	Buxar ...	North Bhagulpore ...	SOUTH BENGAL.
1.42	0.63	4.31	6.68	12.95	-6.27	10.59	19.59	-8.99	2.3	4.1	Gya ...	Mozufferpore ...	
0.15	0.63	4.31	6.68	12.95	-6.27	10.59	19.59	-8.99	2.3	4.1	Gya ...	Durbhunga ...	
5.12	1.09	3.65	6.66	12.37	-5.71	12.77	20.35	-7.58	2.8	4.1	Bankipore ...	Chumparan ...	
2.06	1.85	3.78	7.58	12.59	-4.81	15.40	20.79	-5.39	3.0	4.7	Bhagulpore ...	Saran ...	
2.06	1.03	3.82	8.65	13.13	-4.48	16.93	24.48	-7.55	4.5	4.5	Doomka ...	Shahabad ...	
2.06	2.11	3.50	7.87	13.79	-5.92	12.77	23.38	-10.61	5.3	5.3	Hazaribagh ...	Gya ...	
2.76	2.08	4.02	10.61	13.50	-2.89	16.14	23.25	-7.12	5.0	5.2	Ranecoe ...	Patna ...	
3.07	1.77	4.88	15.13	15.54	+2.59	23.56	26.22	-2.66	4.0	5.6	Onyeoassa ...	South Bhagulpore ...	
												Monghyr ...	
												Sonthal Pargunnahs ...	
												Hazaribagh ...	CENTRAL AND WESTERN INDIA.
												Lohardugga ...	
												Manbhoom ...	
												Singuboom ...	

period for the past one year. The variations are negative when the mean for the week is less than the corresponding normal mean, and positive when greater. by 10. The number denoting cloud amount represent the part of the sky covered, the whole sky being denoted by 10. Under the head "district observ- sional stations for the period in question during the past 12 years. The "means for the district" are the numerical average of the rainfall returns received day is one on which at least an hundredth of an inch fell.

## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 1st August 1884.

Meteorological division.	District.	Station.	RAINFALL.							Total.		Total rain- fall from 1st July to 1st August 1884.	Average total rain- fall from 1st of July to 1st August.	Total rain- fall since 15th May 1884.	Average rainfall from 15th May to date.	
			Saturday, 26th July.	Sunday, 27th July.	Monday, 28th July.	Tuesday, 29th July.	Wednesday, 29th July.	Thursday, 30th July.	Friday, 31st August.	Number of rainy days.	of Rainfall week.					
ORISSA	Pooree	Pooree	.....	.....	.....	0.56	0.01	0.07	0.43	4	1.07	12.01	11.75	20.04	22.24	
		Khurdah	.....	.....	.....	1.01	.....	0.20	0.23	3	1.44	11.51	13.50	21.95	26.42	
		Banpur	.....	.....	.....	1.17	.....	.....	0.23	2	0.23	9.61	12.00	14.99	22.66	
		False Point	.....	.....	.....	0.08	0.11	.....	0.07	2	0.18	13.21	15.05	21.59	27.19	
		Hookitola	.....	0.14	.....	.....	.....	.....	.....	2	0.14	.....	.....	.....	.....	
	Cuttack	Jagatsingapore	.....	0.20	.....	.....	1.8	6	.....	.....	.....	.....	11.40	.....	19.88	
		Banki	.....	0.12	0.05	1.01	.....	0.25	.....	.....	.....	.....	.....	.....	.....	
		Cuttack	.....	0.36	.....	1.57	0.04	0.54	0.09	5	2.60	9.09	14.32	27.82	27.95	
		Kendrapara	.....	0.25	.....	1.21	.....	0.50	0.78	4	2.74	9.68	14.93	23.12	26.91	
		Jajpore	.....	0.18	.....	0.80	.....	0.73	0.70	4	1.41	8.95	14.30	15.30	.....	
Balasore	Chandbali	.....	0.06	0.10	0.04	3.67	0.30	0.39	2.00	7	6.56	16.89	15.73	29.14	23.47	
	Bhuddruck	.....	0.25	0.29	.....	1.18	0.05	.....	.....	4	1.77	6.71	13.43	23.94	24.95	
	Sorah	.....	0.30	0.25	.....	0.80	0.15	.....	.....	4	1.50	11.22	13.38	21.77	22.65	
	Balasore	.....	2.05	.....	0.09	3.12	.....	.....	0.02	4	5.28	19.13	14.37	37.94	24.93	
	Jellasore	.....	.....	.....	3.27	1.09	.....	.....	.....	3	4.47	20.17	16.71	26.61	26.36	
Baripadah	.....	0.02	.....	.....	0.60	1.40	.....	.....	0.24	4	2.26	15.03	14.22	27.75	25.44	
SOUTH-WEST BENGAL.	Midnapore	Contai	.....	0.05	.....	0.92	0.46	.....	0.05	.....	4	1.48	15.13	15.97	29.79	27.03
		Saugor island	.....	0.64	.....	0.28	1.37	.....	0.20	.....	4	2.40	23.01	19.16	37.65	28.74
		Tumlook	.....	0.40	.....	1.20	0.40	.....	0.20	.....	4	2.20	11.60	12.48	23.10	23.90
		Midnapore	.....	.....	.....	0.71	0.53	4.80	.....	.....	3	6.44	22.64	12.06	30.96	27.39
		Ghatal	.....	.....	.....	0.31	0.14	0.47	.....	.....	3	0.92	13.41	13.93	29.30	26.04
	24-Pergunnahs	Diamond Har- bour.	.....	1.49	.....	1.10	0.62	0.10	0.35	0.03	6	3.69	17.16	14.93	31.11	27.47
		Alipore Jail	.....	0.62	.....	2.14	0.07	0.64	0.02	.....	5	3.40	12.27	13.77	25.70	26.81
		Barrackpore	.....	0.60	.....	2.00	0.95	0.95	.....	.....	4	4.50	9.43	12.54	22.71	22.85
		Dum-Dum	.....	1.16	0.02	1.46	0.64	0.06	0.09	.....	6	4.03	13.29	13.29	25.29	25.45
		Barasat	.....	0.85	.....	1.75	0.15	0.46	0.03	.....	5	3.24	9.48	11.44	21.92	24.36
Ruseerhat	.....	0.85	.....	0.14	0.23	0.30	0.06	.....	5	1.01	9.41	13.27	23.92	27.68		
Howrah	Howrah	.....	0.35	.....	0.95	0.53	0.41	0.05	.....	5	2.29	8.19	15.53	19.91	26.02	
	Moheerika	.....	0.02	.....	0.81	0.38	.....	.....	.....	3	1.21	9.70	14.30	21.35	26.77	
	(Ooloberiah)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	Serampore	.....	0.47	.....	2.32	1.30	1.35	.....	.....	4	5.44	12.75	13.23	28.90	25.34	
	Hooghly	.....	0.88	.....	3.91	0.02	0.53	.....	.....	4	5.34	10.12	12.54	19.19	24.43	
Jehanabad	Jehanabad	.....	.....	.....	0.05	0.18	0.25	.....	.....	3	0.48	7.94	13.11	15.23	26.75	
	Burdwan	Culna	.....	.....	.....	2.28	0.10	0.13	0.03	.....	4	2.56	7.35	11.14	18.42	21.91
		Burdwan	.....	.....	.....	0.30	.....	0.45	0.45	.....	3	1.20	7.16	11.57	12.31	22.03
		Cutwa	.....	.....	.....	0.43	0.17	0.61	0.05	.....	4	1.26	5.59	10.25	22.81	22.14
		Raneegunge	.....	.....	.....	1.79	0.25	0.21	0.48	.....	4	2.73	10.97	12.96	18.00	23.40
Bankoora		Bankoora	.....	0.21	.....	0.22	0.64	0.60	0.11	.....	5	1.78	12.67	12.74	22.61	24.08
	Rishenpore	.....	0.46	.....	0.25	0.20	0.22	0.11	.....	5	1.59	9.12	12.60	16.54	21.61	
	Maliara	.....	0.06	.....	1.46	0.35	0.19	.....	.....	4	2.33	10.25	12.60	14.32	25.10	
	Khatra	.....	.....	.....	0.16	0.11	0.37	0.25	.....	4	1.19	12.83	16.75	21.25	30.11	
	Beerbhoom	Bh. Soory	.....	.....	.....	0.99	0.00	0.25	0.30	.....	4	1.54	9.96	14.07	17.21	26.90
Hetampore		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	13.22	.....	25.94	.....	
Nudda		Bongong	.....	0.83	.....	0.16	0.29	.....	.....	.....	3	1.19	6.60	11.72	14.21	25.09
		Ranaghat	.....	.....	.....	.....	.....	0.29	.....	.....	3	0.29	10.74	22.02	23.43	24.43
		Kishnaghat	.....	.....	.....	.....	0.45	0.29	.....	.....	3	1.42	7.20	10.82	16.32	22.06
	Choudanga	.....	0.17	.....	0.59	.....	0.25	.....	.....	3	1.01	6.73	10.57	19.36	24.61	
	Meherpore	.....	0.55	.....	1.72	0.05	0.27	.....	.....	4	2.59	5.96	10.39	16.70	23.29	
Koosita	.....	0.44	.....	0.33	0.08	0.06	.....	.....	4	0.91	8.05	11.41	21.09	27.14		
Khoolna	Satkira	.....	1.00	.....	0.30	0.46	0.33	.....	0.05	5	2.14	10.46	13.14	29.84	28.03	
	Bagirhat	.....	0.88	.....	0.73	1.76	0.95	0.22	.....	5	5.04	16.95	13.33	37.39	33.23	
	Khoolna	.....	0.41	.....	1.45	0.12	0.61	0.19	0.75	6	3.53	12.28	12.21	35.65	27.93	
	Jessore	Narail	.....	0.65	.....	0.33	.....	.....	.....	.....	2	0.98	4.01	10.60	16.99	25.21
		Jessore	.....	1.25	.....	0.11	0.03	0.18	0.05	.....	5	1.62	8.44	12.62	25.99	28.58
Jhauadah		.....	0.40	.....	1.20	0.75	0.38	.....	.....	4	2.73	7.50	10.34	23.45	26.76	
Magoorah		.....	0.40	.....	.....	0.35	0.22	.....	.....	3	0.97	3.17	11.28	21.97	26.21	
Moorshedabad		Kandi	.....	0.55	.....	2.37	0.55	0.44	.....	.....	4	3.91	7.04	12.70	16.84	25.34
	Rampore Haut	.....	0.41	.....	1.36	0.42	0.50	.....	0.35	5	3.04	8.30	11.61	16.31	24.70	
	Herhampore	.....	.....	.....	1.28	0.31	1.12	.....	.....	3	2.71	6.43	11.20	16.96	25.21	
	Lalbagh	.....	.....	.....	1.55	.....	0.41	.....	.....	2	1.96	7.41	9.85	18.63	25.21	
	Asansunge	.....	0.03	0.02	3.64	0.29	0.64	.....	.....	5	4.62	11.57	10.57	21.14	25.30	
Chittagong	Jungipore	.....	0.02	1.55	0.12	0.25	.....	.....	.....	4	2.83	7.27	12.06	15.20	23.30	
	Lalgaia	.....	0.31	0.10	1.60	0.06	0.20	.....	.....	5	2.27	8.20	12.72	22.47	24.96	
	Cox's Bazar	.....	0.47	1.04	0.45	0.64	0.10	0.11	.....	6	2.81	28.85	41.86	71.63	83.83	
	Chittagong	.....	0.39	0.44	1.31	0.23	0.08	0.18	.....	6	2.81	28.85	41.86	71.63	83.83	
	Chittagong Hill Tracts.	.....	0.17	0.31	0.38	0.09	0.09	0.04	.....	6	2.69	9.86	20.47	31.76	44.18	
Backergunge	Raisa	.....	0.55	1.27	0.60	.....	0.90	0.12	0.03	6	3.67	13.09	12.81	49.89	31.76	
	Agartola	.....	0.38	.....	.....	0.85	1.18	0.12	.....	6	3.67	13.09	12.81	49.89	31.76	
	Patuakhali	.....	.....	0.50	0.40	.....	.....	0.20	.....	3	1.10	14.95	23.72	43.20	51.92	
	Ferozepore	.....	0.07	.....	.....	0.50	.....	.....	0.29	3	0.95	12.87	16.05	35.44	36.68	
	Burraai	.....	0.00	0.02	0.07	0.04	0.13	0.02	.....	6	0.68	14.07	16.57	38.03	37.74	
Noakholly	Blida	.....	0.58	0.16	0.30	0.09	0.36	0.04	.....	6	1.80	24.81	18.47	47.05	47.44	
	Noakholly	.....	2.38	2.12	0.45	0.20	0.18	0.03	.....	6	5.36	23.30	25.73	41.26	50.16	
	Fenny	.....	0.65	1.82	.....	0.15	0.11	.....	.....	4	2.73	16.16	22.62	34.32	50.08	
	Furreedpore	Madaripore	.....	.....	.....	.....	0.96	.....	.....	0.12	2	1.08	6.50	13.36	20.10	31.13
		Furreedpore.	.....	0.72	.....	1.86	0.02	0.11	.....	.....	4	2.71	8.55	12.78	27.13	30.33
Goulundo		.....	0.23	.....	2.32	.....	0.37	.....	.....	3	3.22	8.89	12.76	23.73	28.52	
Dacca		Munshingunge	.....	0.31	0.18	.....	0.07	0.45	.....	.....	4	1.01	8.82	17.72	26.67	38.21
		Dacca	.....	0.59	0.37	.....	0.40	0.03	.....	.....	4	1.59	8.95	14.41	25.90	32.33
	Naraingunge	.....	0.38	.....	.....	0.43	.....	.....	.....	2	0.81	6.70	20.18	29.18	38.94	
	Maniegunge	.....	0.51	.....	0.26	.....	0.23	.....	.....	3	1.09	9.17	12.43	25.94	26.90	
	Comilla	Comilla	.....	1.15	0.50	0.03	0.78	0.15	0.05	.....	6	2.65	18.00	18.35	42.95	42.12
Chandpore		.....	0.60	0.05	.....	0.10	.....	.....	.....	3	0.75	11.03	16.84	25.93	41.90	
Oranmunberia		.....	0.09	.....	.....	0.19	0.53	.....	.....	3	0.81	9.96	11.84	40.71	32.32	
Mymensingh		Kishoregunge	.....	0.22	.....	.....	0.24	.....	.....	.....	2	1.10	7.28	11.96	15.77	38.83
		Asa	.....	0.36	.....	.....	0.04	0.75	.....	.....	4	0.63	8.30	16.79	28.67	40.36
	Aymensingh	.....	0.46	.....	.....	0.02	0.04	0.15	.....	4	0.63	8.30	16.79	28.67	40.36	
	Jamailpore	.....	0.11	.....	.....	0.01	0.06	.....	.....	4	0.20	7.10	13.94	24.43	32.94	
	Netrokona	.....	1.96	0.36	0.23	.....	.....	.....	.....	3	2.77	10.				



## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 1st August 1884—concluded.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL.		Total rain-fall from 1st July to 1st August 1884.	Average total rain-fall from 1st July to 1st August.	Total rain-fall since 15th May 1884.	Average rainfall from 15th May to date.
			Saturday, 26th July.	Sunday, 27th July.	Monday, 28th July.	Tuesday, 29th July.	Wednesday, 30th July.	Thursday, 31st July.	Friday, 1st August.	Number of rainy days.	Rainfall week.				
NORTH-BENGAL.	Pubna	Pubna	0.33	.....	0.09	0.14	0.12	.....	.....	4	0.68	7.65	10.80	21.90	26.03
		Serajgunge	0.63	.....	0.42	.....	0.80	0.50	.....	4	2.35	10.12	11.87	21.84	27.26
	Bogra	Sherpore	0.60	1.00	0.25	.....	.....	.....	.....	3	1.85	7.09	15.23	25.37	32.19
		Nowkhilla	0.04	0.33	1.23	.....	0.18	.....	.....	4	1.78	8.57	12.00	27.29	27.84
		Bogra	0.04	0.14	1.09	.....	0.11	.....	.....	4	1.38	8.77	14.73	29.89	32.99
		Panchbibi	0.29	1.78	0.82	.....	.....	.....	.....	5	2.89	11.05	13.56	29.38	28.17
	Rajshahy	Benulash	0.32	.....	1.01	0.09	0.11	.....	.....	4	1.53	7.66	12.67	18.13	25.28
		Natore	.....	.....	2.24	0.14	0.50	.....	.....	3	2.84	7.69	13.16	22.41	27.07
	Maldah	Nowgong	0.12	.....	1.10	.....	0.30	.....	.....	3	1.52	7.89	?	31.10	?
		Maldah	0.25	0.04	0.12	0.05	0.35	.....	.....	5	0.81	5.59	12.10	19.57	25.35
	Dinapore	Mohadehpore	.....	0.26	0.18	.....	0.42	.....	.....	3	0.86	4.89	11.64	19.33	29.46
		Churamon	.....	0.25	.....	.....	0.14	.....	.....	3	2.24	8.47	9.37	28.67	23.90
		Raigunge	0.10	0.22	0.41	0.62	0.04	.....	.....	5	1.39	10.39	11.39	26.72	20.72
		Dinapore	0.31	.....	0.19	0.06	.....	0.04	.....	4	0.60	7.97	13.99	22.74	34.84
	Rungpore	Baloorchat	0.17	0.09	0.32	0.03	0.09	.....	.....	5	0.72	7.58	?	27.14	?
		Bhawanigunge (Gyabanda)	0.80	5.17	0.23	.....	.....	.....	.....	3	6.20	13.39	12.86	39.83	33.66
		Rungpore	0.59	1.80	1.12	.....	.....	.....	.....	5	3.51	7.72	18.30	33.74	42.97
		Kurigram	.....	0.38	.....	.....	.....	.....	.....	1	0.38	4.02	16.59	30.20	45.09
	Julpigore	Hagdogra (Nilphamari)	0.53	0.88	0.12	.....	.....	.....	.....	3	1.53	10.16	14.18	30.56	50.18
		Julpigore	0.36	.....	2.34	0.12	.....	.....	.....	3	2.82	19.29	25.96	50.42	62.07
	Cooch Behar	Dinhatta	0.04	0.09	0.39	0.52	.....	.....	.....	4	1.04	8.19	12.98	48.44	52.69
		Cooch Behar	0.17	1.10	1.90	0.19	.....	.....	.....	4	3.27	18.28	23.90	77.17	67.90
		Mickligunge	1.20	1.35	0.35	0.37	0.63	.....	.....	5	3.30	13.27	18.10	48.24	67.53
		Matabhanga	0.04	0.35	0.45	1.04	.....	.....	.....	4	1.88	15.51	29.60	51.90	65.23
	Darjeeling Hill.	Buxa	2.2	1.44	.....	0.47	.....	.....	.....	5	9.54	32.33	48.07	52.00	111.21
		Siliguri	0.90	0.04	7.35	0.73	0.22	.....	.....	5	9.54	32.33	?	53.26	53.76
		Kaimgong	0.78	0.47	4.26	0.14	2.09	.....	.....	6	7.74	30.98	30.17	57.96	?
NORTH-BENGAL.	Purneah	Kissengunge	0.45	.....	2.38	1.56	.....	.....	.....	3	4.39	21.61	16.60	38.91	35.42
		Arrareah	.....	.....	.....	0.39	.....	.....	.....	1	0.39	13.89	15.72	28.55	31.96
		Purneah	0.09	1.06	1.84	0.04	.....	0.06	.....	5	3.09	16.07	14.45	25.33	28.26
	North Bhagulpore.	Maddapore	0.42	.....	0.15	.....	.....	.....	.....	2	0.57	7.11	12.80	15.82	23.38
		Soopool	0.35	0.16	0.17	.....	.....	.....	.....	3	0.68	7.23	12.27	14.98	23.41
	Durbhunga	Tajpore	0.10	1.34	.....	.....	0.13	.....	.....	3	1.57	8.08	12.60	15.35	29.81
		Durbhunga	0.19	.....	0.79	.....	0.00	.....	.....	3	1.04	4.67	12.13	11.02	21.38
		Madhubani	0.16	.....	0.52	0.11	.....	.....	.....	3	0.79	7.66	10.59	15.13	20.84
	Mozufferpore	Sitamarhi	0.22	.....	1.21	0.06	.....	.....	.....	3	1.49	10.05	10.66	17.29	20.06
		Mozufferpore	0.40	2.23	0.44	0.50	0.09	.....	.....	5	3.66	7.05	12.54	13.19	21.24
		Hajipore	.....	0.15	.....	.....	0.12	.....	.....	2	0.27	11.48	12.08	21.14	19.66
	Chumparan	Motihari	.....	.....	0.31	0.03	.....	.....	.....	2	0.34	9.54	10.25	20.31	19.19
		Bettiah	.....	.....	2.05	.....	.....	.....	.....	1	2.05	11.39	13.15	20.46	23.97
	Sarun	Gopalgunge	.....	3.14	0.01	.....	.....	.....	.....	2	3.15	13.55	13.29	21.93	21.78
		Sewan	0.01	0.70	.....	.....	0.17	.....	.....	3	0.88	6.25	12.11	10.43	20.68
		Chuprah	0.35	1.49	.....	0.17	.....	.....	.....	3	2.01	9.25	11.81	15.67	18.68
SOUTH-BENGAL.	Shahabad	Buxar	.....	.....	0.85	.....	0.42	.....	.....	2	1.27	6.24	11.94	11.00	17.37
		Dohree	.....	.....	0.08	.....	0.66	.....	.....	2	0.74	9.04	?	10.57	?
		Bhuboah	0.30	.....	.....	.....	.....	.....	.....	1	0.30	8.96	13.47	8.97	19.42
		Sasseram	.....	.....	.....	.....	1.40	.....	.....	1	1.40	5.65	13.13	8.53	19.29
	Gya	Arrah	.....	1.02	.....	.....	0.53	.....	.....	2	1.40	9.06	11.00	13.33	17.92
		Aurungabad	.....	0.16	.....	.....	0.36	.....	0.11	3	0.63	7.60	13.23	15.13	19.76
		Gya	0.10	0.13	.....	0.10	0.79	.....	.....	4	1.12	7.89	13.36	11.33	21.39
	Patna	Nowadah	.....	.....	.....	.....	0.54	.....	.....	1	0.54	5.46	12.36	7.36	16.71
		Jehanabad	.....	.....	.....	.....	0.20	.....	.....	1	0.20	5.70	12.71	9.26	19.12
		Patna	.....	0.07	.....	.....	.....	.....	.....	1	0.07	6.49	11.80	14.70	20.42
		Dinapore	.....	0.27	.....	0.08	0.29	.....	.....	3	0.64	7.26	11.25	16.09	18.83
	Monchyr	Behar	.....	0.38	0.04	.....	0.11	.....	.....	3	0.33	4.49	13.60	7.57	22.36
		Barrh	.....	0.07	2.36	0.15	0.40	.....	.....	4	3.12	8.38	12.77	12.97	19.66
		Begoeerai	.....	1.55	0.22	.....	0.32	.....	.....	3	2.09	6.35	11.65	12.23	19.24
	South Bhagulpore.	Monchyr	0.14	0.27	0.35	.....	0.06	.....	.....	4	0.82	6.35	13.29	16.25	21.25
		Jamui	.....	0.29	.....	.....	0.12	.....	.....	2	0.41	7.66	13.40	16.20	21.41
		Bhagulpore	.....	0.62	3.47	.....	0.53	0.12	.....	4	4.74	16.11	11.89	23.04	29.75
	Sonthal Pergunnahs.	Sauka	0.17	.....	1.00	.....	.....	.....	.....	2	1.17	5.19	11.61	10.62	21.19
		Eajmehal	.....	0.26	0.65	0.16	0.18	.....	.....	4	1.25	7.42	12.13	19.82	24.47
		Gouda	.....	.....	0.22	.....	0.55	.....	.....	2	1.07	7.12	12.02	13.95	21.38
		Pakour	.....	.....	0.55	0.17	0.18	.....	.....	3	1.29	4.93	12.42	16.27	26.37
		Nya Doonka	0.16	0.32	0.41	0.04	0.63	0.11	0.40	7	1.77	8.57	13.97	13.46	25.51
		Deoghar	.....	.....	0.16	0.08	0.11	0.28	.....	4	1.23	8.81	13.93	14.44	24.53
MUTIA NAGPUR.	Hazariabagh	Jamara	0.04	.....	1.46	0.15	1.55	0.23	0.63	6	3.46	15.03	13.41	21.82	29.44
		Pachamba	.....	0.25	.....	1.20	0.73	0.28	0.03	5	2.49	9.98	12.75	14.13	23.08
		Hazariabagh	0.13	0.14	0.03	0.56	0.56	0.31	.....	6	1.73	6.70	14.23	13.13	22.62
	Lohardugga	Alahudi Hillia	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	13.02	13.02	24.18
		Lohardugga	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
		Ranchi	0.07	.....	0.79	1.05	0.83	0.32	0.31	6	3.57	14.39	15.94	22.54	24.94
	Singbhoom	Palasow	.....	.....	.....	1.32	0.57	0.95	.....	3	2.24	7.39	13.62	10.00	20.55
		Chyebassa	.....	.....	0.02	1.23	0.43	.....	.....	4	1.77	18.13	15.34	23.56	26.23
		Purulia	0.03	0.03	0.03	0.79	0.82	0.46	.....	6	2.16	11.75	13.87	29.59	24.94
	Manbhoom	Gobinapore	0.10	.....	0.52	0.37	1.82	0.16	.....	5	2.97	9.06	13.06	11.51	22.09
		Gobinapore	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If some of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA,

The 4th August 1884.

JOHN ELIOT,

Meteorological Reporter to the Govt. of Bengal.

**SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS  
TAKEN IN BENGAL DURING THE WEEK ENDING THE 1st AUGUST 1884.**

It was stated in last week's report that a depression and cyclonic disturbance had formed near the head of the Bay, and passed across the Balasore coast on the morning of the 25th of July. It advanced across the North Orissa hills into the Central Provinces. It brought up moderately large supplies of aqueous vapour. On the 27th a slight land-formed depression began to be generated in East Bengal. It gave rise to a feeble but distinctly marked cyclonic circulation of the air in South Bengal. The centre was near Jessore on the 28th, and marched slowly westwards past Calcutta on the 29th. It continued to advance in the same general direction on the 30th across Chutia Nagpur, and apparently filled up during the day. This was due to the fact that another advance of south-westerly monsoon winds was in progress up the Bay. They gave rise to the usual eddying action and slight disturbance in front. The observations at Akyab indicated its advance to the latitude of that station on the 31st, and those at Chittagong on the 1st. The cyclonic disturbance produced by this burst of monsoon winds crossed the Balasore coast on the morning of the 3rd and advanced north-westwards across Chutia Nagpur into the North-West Provinces. The weather, it will thus be seen, has been of the same character as for some weeks. The characteristic feature of the present rains in Bengal is the large number of feeble rushes up the Bay into Bengal of south-west monsoon winds, each giving two or three days moderate rain followed by two or three days of warm sultry weather. The first four or five days of the past week were days of light to moderate rain over nearly the whole province, whilst the last two or three days formed an almost complete break in the rains.

*Pressure.*—Increased on the 26th, more especially in Orissa and South-West Bengal. Pressure was at this date considerably above the normal in East Bengal. It began to give way on the 27th, the fall being most marked in East Bengal. The fall of the barometer continued on the 28th, and was again largest in East Bengal and the central districts of South-West Bengal, so that an area of deficient pressure covered the greater part of these districts. The changes of pressure during the 29th and 30th were mainly due to the westward motion of the area of deficient pressure across the central districts of South-West Bengal into Chutia Nagpur, where it filled up on the 30th. Pressure again commenced to decrease generally over the province on the 31st. The fall was greatest in East Bengal, and continued during the next 24 hours, when the various observations indicate the existence of a small depression near the head of the Bay which was passing westwards to the Balasore coast.

*Winds.*—The strength and direction of the winds have been directly related to the small disturbances of the week. Moderately strong monsoon winds set in on the 25th, when the sixth whirl of the present season crossed the coast. Winds were very abnormal during the existence of the land-formed depression from the 27th to the 30th. They were very light during the break in the rains on the 31st and 1st.

*Temperature.*—Was generally slightly below the average during the first four days of the week, but increased rapidly during the last two days. Hence over a large part of the province including South-West Bengal, East Bengal, Chutia Nagpur and the eastern districts of North Behar, the mean temperature of the week was very approximately normal. It was above it over the greater part of Behar by amounts ranging between  $1^{\circ}$  and  $1\frac{1}{2}^{\circ}$ . It was  $1\frac{1}{2}^{\circ}$  in defect in Orissa. Moderately high maximum temperatures were registered in Behar. The highest was  $98.7^{\circ}$  at Motihari.

*Rainfall.*—Has been fairly general over the province, and occurred at frequent intervals during the first five days of the week. The showers however were seldom heavy, and hence the total rainfall of the week is below the average in nearly all districts.

Rain fell in Bengal on the 26th, a few local showers occurred in Behar. Rain in moderate amounts was received on the 27th in all divisions except South-West Bengal. Bhawaniganj in the Rungpore district obtained 5.17 inches on this day. Moderate to heavy rain occurred over the whole of South-West Bengal, North-Bengal, and over a large part of Behar on the 28th. The heaviest rainfalls were—

Siliguri	...	...	...	...	7.65 inches.
Darjeeling	...	...	...	...	4.26 "
Hooghly	...	...	...	...	3.91 "
Azimgunj	...	...	...	...	3.64 "
Bhagulpore	...	...	...	...	3.47 "

Rain was again received, in diminished quantities, on the 29th in South-West Bengal and North Bengal. Moderately heavy rain occurred in Orissa and Chutia Nagpur, and local showers in the remaining divisions. The heaviest falls were—

Chandbali	...	...	...	...	3.67 inches.
Balasore	...	...	...	...	3.12 "

The 30th was a day of light to moderate general rain in South-West Bengal, East Bengal, the southern districts of North Bengal, South Behar and Chutia Nagpur. The only large amount reported was 4.8 inches at Midnapore. Light and more or less local showers occurred on the 31st and 1st in Orissa, South-West Bengal, the Sonthal Pergunnahs, and Chutia Nagpur. These two days were practically rainless in the remaining districts of the province.

The rainfall of the week has been in defect in every district except Balasore. The variation from the normal was less than ten per cent. in the case of the Balasore, Cuttack, Murshedabad, and Rungpore districts, which may hence be considered as having received normal rainfall during the week. The Midnapore district received 86 per cent. of the average; Pooree, the 24-Pergunnahs, Howrah, and Hooghly between 70 and 80 per cent.; Manbhoon, Jessore, Noakholly, Chumparun, and Julpigoree between 60 and 70 per cent.; Furreedpore, Bogra, Pubna, Rajshahye, Purneah, Durbhunga, Mozufferpore, Hazaribagh, and Bhagulpore between 50 and 60 per cent.; Burdwan, Bankura, Beerbhoon, Sarun, and the Sonthal Pergunnahs between 40 and 50 per cent., Singhbhoon, Commillah, Nuddea, Patna and Shahabad between 30 and 40 per cent.; Chittagong 28 per cent.; Burisal 22 per cent.; Mymensingh 21 per cent.; and Gya only 15 per cent. of the normal rainfall of the period.

The preceding statement shows that the rainfall of the past week has been very irregularly distributed. The deficiency has on the whole been most marked in East Bengal and South Behar, which have received only thirty per cent. of the average rainfall of the week. The deficiency was less marked in North Bengal, South-West Bengal, North Behar, and Chutia Nagpur, where from 50 to 60 per cent. of the normal rain of the week fell. Orissa was the only division in which the deficiency was small and unimportant.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the week ending Friday, the 1st August 1884:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.						RAINFALL.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of July.		Since 15th May.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	90.6	74.6	85.9	78.2	82.1	-1.8	2.83	3.04	-0.21	4.1	4.1	0	12.55	13.63	23.78	24.60
South-West Bengal	93.7	76.3	87.7	78.8	83.3	-0.2	2.45	3.72	-1.27	4.0	5.0	-1.0	9.98	12.50	21.92	25.53
East Bengal	90.3	72.4	86.7	77.4	82.1	+0.1	1.75	5.36	-3.61	4.1	5.4	-1.3	12.65	17.76	33.77	41.35
North Bengal	92.8	74.1	89.2	77.8	83.5	-	2.07	3.29	-1.23	3.6	4.1	-0.5	9.85	14.75	33.31	38.63
North Behar	98.7	75.0	91.6	78.8	85.2	+0.5	1.69	3.19	-1.50	2.8	4.0	-1.2	10.30	12.72	19.34	23.19
South Behar	94.4	76.5	90.1	79.0	84.6	+1.3	1.52	3.84	-2.32	2.9	4.4	-1.5	7.49	12.67	13.57	21.69
Chutia Nagpur*	86.5	71.5	83.1	73.1	78.1	+0.2	2.39	3.88	-1.49	5.0	5.2	-0.2	10.77	14.02	15.80	23.23

\* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;

JOHN ELIOT,

The 6th August 1884.

Meteorological Reporter to the Govt. of Bengal.



**Results of the Meteorological Observations taken at the Alipore Observatory from  
27th July to 2nd August 1884.**

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 52° Fahr.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1884.		D		Inches.	D	D	D	D	D	Inches	D	%			Inches.	
July	27th	142.3	0.5	29.515	83.4	87.4	8.2	79.2	79.0	0.978	78.6	85	SW	111	Nil	Chiefly cloudy, o.
"	28th	142.0	3.1	464	82.0	88.5	8.4	80.1	79.5	0.975	78.5	80	SW by W, WNW and calm.	70	2.13	Chiefly cloudy, o, s, p, t.
"	29th	153.1	8.1	431	83.0	88.6	10.4	78.2	80.0	0.987	78.8	88	S by E, calm and variable.	96	0.05	Chiefly cloudy, o, t, p, d.
"	30th	116.6	1.8	473	82.1	85.6	7.8	77.5	79.1	0.955	77.8	87	S and SSW	122	0.65	Chiefly cloudy, o, d, p.
"	31st	151.6	5.5	455	82.7	86.6	8.4	78.2	79.4	0.958	77.9	86	SSW and SW	88	Nil	Chiefly cloudy, o.
Aug.	1st	147.5	7.0	426	84.0	89.3	10.4	78.9	80.1	0.975	78.5	84	SW and SE by S...	71	Not measurable.	Chiefly cloudy, o, d.
"	2nd	152.0	4.3	461	82.3	90.5	11.3	79.2	78.2	0.912	76.4	83	SE by S and E by S	112	0.80	Chiefly cloudy, o, s, p, t.

The mean pressure of the seven days	...	Inches.
The average pressure of the corresponding period for 24 years, S. G.'s Office	...	29.461
The total number of hours of bright sunshine	...	Hours.
The maximum possible number of hours of sunshine	...	30.3
		92.1

The mean temperature of the seven days	...	82.8
The average temperature of the corresponding period for 24 years, S. G.'s Office	...	82.9
The extreme variation of temperature	...	12.7
The maximum temperature	...	90.5

The highest velocity of the wind in one hour	...	Miles.
	...	11
		lbs.
The highest pressure of the wind on one square foot	...	4

The mean relative humidity	...	%
The average relative humidity of the corresponding period for 24 years, S. G.'s Office	...	86
		87

The total fall of rain from 27th July to 2nd August 1884	...	Inches.
The average fall of the corresponding period for 24 years, S. G.'s Office	...	3.63
The total fall from 1st January to 2nd August 1884	...	3.85
The average fall of the corresponding period for 24 years, S. G.'s Office	...	32.09
		35.75

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86 formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The direction of the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, d drizzling rain, t thunder, p passing temporary showers.

METEOROLOGICAL OFFICE, INDIA,  
Calcutta, the 4th August 1884.

JOHN ELIOT,  
for Meteorological Reporter to the Government of India.

**Abstract of the results of Meteorological Observations taken at the Alipore  
Observatory in the month of July 1884.**

	Inches.	Date.	Hour.
The mean pressure of the month ...	29.493		
The average pressure of July from 24 years' registers ...	29.537		
The highest pressure in the month ...	29.686	5th	10h.
The lowest pressure in the month ...	29.318	10th	16h.
The range of pressure ...	0.368		
The total number of hours of bright sunshine during the month	115.6		
The maximum possible number of hours of sunshine	413.1		
⊖			
The mean temperature of the month ...	82.7		
The average temperature of July from 24 years' registers ...	83.5		
The highest temperature in the month ...	93.0	15th	
The lowest temperature in the month ...	75.6	21st	
The range of temperature during the month ...	17.4		
The mean daily range of temperature ...	9.1		
The greatest range of temperature in one day ...	13.8	15th	
Per cent.			
The mean humidity of the month ...	87		
The average humidity of July from 24 years' registers ...	85		
Inches.			
The mean vapour tension during the month ...	0.971		
The average vapour tension of July from 9 years' registers ...	1.002		
The mean cloud proportion of the month ...	8.15		
The average cloud proportion of July from 7 years' registers ...	8.02		
The total rainfall of the month ...	11.96		
The total rainfall indicated by a Beckley's self-registering rain-gauge (mouth of the gauge 50.5 feet above the ground)	11.32		
The average fall of July from 48 years' registers ...	12.84		
The greatest fall in 24 hours ...	2.13	28th	
Days.			
The number of rainy days in the month ...	24		
The average number of rainy days in July from 24 years' registers ...	25		
⊖			
The mean maximum equilibrium temperature of solar radiation during the month ...	140.6		
The mean difference of sun and air temperatures ...	53.0		
The greatest sun temperature ...	160.2	8th	
The greatest excess of sun over air temperature ...	69.3	6th	
The mean temperature of the nocturnal radiation thermometer on woollen cloth ...	74.3		
The mean depression of the nocturnal radiation thermometer below the minimum air temperature at 4 feet above the ground ...	4.2		
The greatest depression of the nocturnal radiation thermometer below the minimum air temperature ...	5.1	22nd	
Miles.			
The mean movement of the wind per day ...	127.5		
The greatest movement of the wind in one day ...	223.0	1st	2 to 3 P.M.
The greatest movement of the wind in one hour ...	16.0	13th	11 to noon.
The number of hours with winds from each of the 8 points—			

N. 6, NE. 16, E. 83, SE. 215, S. 233, SW. 140, W. 20, NW. 7, Calm 24.

The results of observations at the Alipore Observatory are not rigorously comparable with the registers of past years (at the Park-street Observatory). The barometer is about 3 feet higher at Alipore, and, other things being equal, reads therefore .003 lower. The diurnal range of temperature is also greater at Alipore, and the mean temperature apparently about 0.6° greater; and finally, the thermometer, which has furnished the record of temperature at the Surveyor-General's Office during the last 20 years and upwards, is found to read 0.6 higher than the Kew standard thermometer, which is the standard of reference at the present Observatory.

METEOROLOGICAL OFFICE, INDIA,  
The 5th August 1884.

JOHN ELIOT,  
For Meteorological Reporter to the Govt. of India.

**Abstract of the results of the Thermometric Observations taken at the Meteorological Office, Chowringhee, in the month of July 1884.**

		°	Date.
The mean temperature during the month	...	81.5	
The highest temperature during the month	...	93.0	8th
The lowest temperature during the month	...	75.8	21st
The range of temperature during the month	...	17.2	
The mean daily range of temperature during the month	...	9.4	
The greatest range of temperature in one day during the month	...	13.2	8th
The mean humidity during the month	...	91	
The mean vapour tension during the month	...	979	
The total rainfall of the month	...	9.26	
The greatest fall in 24 hours	...	2.12	28th
The number of rainy days in the month	...	21	

JOHN ELIOT,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA,  
The 4th August 1884.

**MEMORANDA.**

The following summary is deduced from the annexed table exhibiting the vital statistics of the first class Municipalities in Bengal for the week ending 19th July 1884:—

(1) That the birth-rate in these Municipalities stood at 18.2 per 1,000 of population, against the same rate in the preceding week ending 12th July, and the death-rate at 28.3 per 1,000, as opposed to 26.6 per 1,000.

(2) That the following towns furnished the highest proportions of deaths:—

	Ratio per mille.		Ratio per mille.
Burdwan	39.7	Purneah	31.1
Patna	39.0	Chittagong	30.5
Gya	38.9	Monghyr	28.9
Ranaghat	36.0	Kishnaghur	28.4
Suburbs of Calcutta	35.8	Bhagulpore	28.1

(3) That the mortality from the several death-causes exhibited in the table above referred to was as follows, in comparison with that in the preceding week:—

	Ratio per mille during weeks ending—	
	19th July 1884.	12th July 1884.
Cholera	2.5	1.8
Small-pox	7	9
Fever	12.0	12.0
Bowel-complaints	4.1	4.2
Injury	1.1	.9
Other causes	7.9	6.8

The noticeable points disclosed by the above figures are that, while the mortality from fever indicates no variation, the death-rates from cholera and the diseases returned under the head of "other causes" were sensibly higher.

(4) That of the death-causes above indicated, cholera, fever, injury, and "other causes" proved conspicuously fatal in the undermentioned Municipalities:—

Cholera.	Fever.	Injury.	Other causes.
Ratio per mille.	Ratio per mille.	Ratio per mille.	Ratio per mille.
Patna ... 8.1	Ranaghat ... 36.0	Burdwan ... 6.1	Suburbs of Calcutta 12.8
Gya ... 4.8	Jessore ... 24.5	Mozufferpore ... 4.8	Poori ... 12.8
Suburbs of Calcutta 2.9	Burdwan ... 24.4	Bhagulpore ... 3.6	Dacca ... 10.4
	Purneah ... 24.2		Patna ... 10.4

(5) That the mortality referable to Sex, Class and Age is exhibited below:—

According to Sex.	According to Class.	According to Age.
Ratio per mille.	Ratio per mille.	Ratio per mille.
Males ... 28.3	Christians ... 13.0	Under 1 year ... 260.7
Females ... 28.4	Hindus ... 30.0	1 and under 5 years ... 51.7
Ratio of male deaths to every 100 female deaths ... 113	Mahomedans ... 25.2	5 " 10 " ... 16.7
		10 " 15 " ... 15.8
		15 " 20 " ... 17.2
		20 " 30 " ... 14.4
		30 " 40 " ... 19.6
		40 " 50 " ... 20.1
		50 " 60 " ... 22.9
		60 years and upwards ... 54.3

R. LIDDERDALE, M.D., Deputy Surgeon-General,  
Sanitary Commissioner for Bengal.

Statement showing the Results of the Registration of Births and Deaths in the First Class Municipalities in Bengal during the week ending 19th July 1884.

DISTRICTS.	NAMES OF MUNICIPALITIES.	POPULATION.			BIRTHS.			MORTALITY ACCORDING TO—										Ratio of male deaths to every 100 female deaths.							
								Disease.																	
								Ratio of deaths per 1,000 of population per annum in the previous week.																	
		NUMBER OF—			RATIO PER 1,000 OF POPULATION PER ANNUM.			DEATHS FROM—						RATIO PER 1,000 OF POPULATION PER ANNUM.				DEATHS.		RATIO PER 1,000 OF POPULATION PER ANNUM.		Sex.			
																						Males.	Females.	Males.	Females.

\* A special census of the Europeans in the Darjiling Municipality was recently taken, as the census of this section of the community taken in February 1881 was not reliable, owing to the European being at a minimum in that month. The number of the natives remains as before, as it was not necessary to revise them. The rate of mortality per 1,000 of population under all heads in the above table, except "464," the ratio under which have been omitted, is as much as the census of the Europeans above alluded to cannot be employed as a basis of calculation owing to the results of the census under this head not having been recorded under the authorized form of age classification.



[illegible]

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,  
The 4th August 1884.

**R. LIDDERDALE, M.D., Deputy Surgeon-General,  
Sanitary Commissioner for Bengal.**

## PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Statements showing the total amount of Traffic and Tolls on the Canals classed as Productive Public Works for the month of June 1884.

## ORISSA CIRCLE.

## Ta/dundah Canal.

LENGTH OF CANAL OPEN—27½ MILES.

Number of boats.	Nature of Cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton-mileage.	Tollage.	Rate of toll per ton-mile.
		Weight of cargo.	Value of cargo.	Maunds.	Tons.			

## LOCAL TRAFFIC.

## (1)—PRIVATE.

	ARTICLES OF FOOD.	Mds.	Rs.				Rs. A. P.	A. P.
1	Paddy ... ..	229	200	306	11	121	3 0 0	.....
	BUILDING MATERIALS.							
4	Ghooting lime ... ..	707	200	1,520	54	163	7 5 0	.....
	FUEL.							
1	Charcoal ... ..	161	20	231	8	58	1 2 0	.....
	MISCELLANEOUS.							
6	Passenger boat ... ..	.....	.....	3,349	120	338	16 8 6	.....
28	Empty do. ... ..	.....	.....	6,032	215	646	14 5 6	.....
40	Total ... ..	1,097	420	11,438	408	1,346	42 7 0	0 6 0
44	Total of same month last year ...	1,954	5,907	23,166	827	4,123	134 7 5	0 6 2

## (2)—STORES AND MATERIALS FOR IRRIGATION WORKS.

	Mds.	Rs.				Rs. A. P.	
Nil ... ..	.....	.....	.....	.....	.....	.....	.....
Total ... ..	.....	.....	.....	.....	.....	.....	.....
3 Total of same month last year ...	330	106	870	31	93	2 2 10	0 4 5

## ABSTRACT.

	Mds.	Rs.				Rs. A. P.	
40 Private, including miscellaneous ...	1,097	420	11,438	408	1,346	42 7 0	.....
Government stores, including ditto ...	.....	.....	.....	.....	.....	.....	.....
40 Grand Total ... ..	1,097	420	11,438	408	1,346	42 7 0	.....
46 Grand Total of same month last year ...	2,284	6,007	24,036	858	4,216	136 10 3	.....

## MEMO.

## Rs. A. P.

Unrecovered balance on the 1st of the month ...	.....
Amount of tolls for the month ...	42 7 0
Total ...	42 7 0
Amount credited in the accounts for the month ...	7 13 0
Balance at the end of the month ...	34 10 0



*Kendrapara Canal and its Branch to Gundakia on the Gobri River.*

LENGTH OF CANAL OPEN—69 MILES.

## LOCAL TRAFFIC.

(1)—PRIVATE.

Number of boats.	Nature of Cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton-mileage.	Tollage.	Rate of toll per ton-mile.
		Weight of cargo.	Value of cargo.	Maunds.	Tons.			
	ARTICLES OF FOOD.	Mds.	Rs.				Rs. A. P.	A. P.
72	Paddy	600	9,500	13,851	494	11,623	153 9 2	.....
63	Rice	20,500	61,500	40,978	1,463	71,350	716 2 8	.....
1	Turmeric	100	500	283	10	320	4 7 5	.....
7	Gram	700	2,700	1,447	52	1,607	16 6 6	.....
8	Jaggery	1,500	7,500	5,239	115	3,680	50 12 10	.....
1	Coriander	50	150	84	3	120	1 3 2	.....
11	Salt	1,200	3,500	2,238	80	1,311	17 1 10	.....
1	Dry mangoes	50	100	84	3	12	0 8 0	.....
1	Salt fish	50	350	108	4	160	1 8 0	.....
1	Dry fish	20	100	55	2	24	0 8 0	.....
2	Betel leaves	20	50	94	3	24	6 7 4	.....
	STAPLES OF MANUFACTURE.							
5	Cotton twist and yarn (European)	1,000	10,000	2,628	94	3,948	41 7 0	.....
3	Hides	800	8,000	2,350	84	4,336	45 0 0	.....
2	Mustard seed	250	700	564	20	880	7 8 6	.....
1	Til seed	100	400	176	6	192	1 12 0	.....
	BUILDING MATERIALS.							
...	Unwrought timber and piles (39 in No.)	.....	150	.....	.....	.....	3 4 6	.....
1	Beams and bargahs	300	300	491	18	972	7 11 6	.....
1	Bargahs	50	10	87	3	69	0 6 6	.....
...	Bulbhoos (1,100 in No.)	.....	10	.....	.....	.....	0 8 2	.....
	FUEL.							
4	Firewood	1,000	100	3,351	120	1,860	47 10 0	.....
	COOKING UTENSILS AND OTHER DOMESTIC IMPLEMENTS.							
10	Earthenware and earthen pots	400	20	663	24	351	6 6 9	.....
1	Tal umbrellas	20	10	102	4	20	0 10 0	.....
	MISCELLANEOUS.							
37	Passenger boats (1,941 passengers in No.)	.....	.....	12,922	461	24,596	246 14 8	.....
191	Empty ditto	.....	.....	25,274	903	31,902	149 5 2	.....
29	Miscellaneous goods, &c.	4,600	11,000	9,435	337	2,802	171 8 7	.....
2	Oilcake	400	400	674	24	900	9 15 0	.....
1	Canal water	.....	.....	2,002	71	71	9 12 0	.....
1	Treasure	.....	2,000,000	273	10	540	4 2 0	.....
1	Gunny	30	200	60	2	78	0 12 0	.....
463	Total	33,740	3,17,450	1,23,519	4,410	1,65,717	1,717 5 4	0 20
325	Total of same month last year	41,130	4,98,130	1,01,306	3,619	1,50,828	3,074 7 6	0 38

## (2)—STORES AND MATERIALS FOR IRRIGATION WORKS.

	BUILDING MATERIALS.	Mds.	Rs.	Rs.			Rs. A. P.	A. P.
34	Building stones	10,000	200	18,822	672	28,224	273 8 6	.....
11	Lime	5,000	600	6,040	216	2,592	96 4 6	.....
...	Timber (4 in No.)	.....	20	.....	.....	.....	0 8 0	.....
	FUEL.							
1	Charcoal	100	20	279	10	100	1 6 0	.....
	MISCELLANEOUS.							
41	Empty boats	.....	.....	7,915	282	15,806	61 6 6	.....
1	Tools	20	200	67	2	32	0 4 10	.....
2	Stores, &c.	400	2,100	885	32	1,344	15 8 0	.....
90	Total	13,520	3,940	34,015	1,214	49,158	448 14 4	0 138
21	Total of same month last year	2,780	740	6,947	247	11,704	183 3 2	0 38

## ABSTRACT.

		Mds.	Rs.	Rs.			Rs. A. P.	
463	Private, including miscellaneous	33,740	3,17,450	1,23,519	4,410	1,65,717	1,717 5 4	.....
90	Government stores, including ditto	13,520	3,940	34,015	1,214	49,158	448 14 4	.....
553	Grand Total	47,260	3,20,490	1,57,534	5,624	2,15,875	2,165 3 8	.....
...	Deduct amount erroneously charged by head book-keeper during April 1884 on Messrs. J. Bullock & Co.	.....	.....	.....	.....	.....	16 0 0	.....
340	Grand Total of same month last year	43,910	4,98,570	1,08,253	3,866	1,02,532	3,237 10 8	.....

## MEMO.

Unrecovered balance on the 1st of the month	.....	Rs. A. P.	4,545 6 11
Amount of tollage for the month	.....	.....	2,150 5 8
Amount credited in the accounts for the month	.....	Total	6,695 16 7
Balance at the end of the month	.....	.....	1,228 6 7
	.....	.....	5,467 4 0

\* Of this, Rs. 188-5 is the collection of Gobri Canal Locks; Rs. 494-8 is the collection of Kendrapara Extension Locks, and Rs. 1,673-12 is the collection of Kendrapara Canal Locks.

## High Level Canal, Range I.

LENGTH OF CANAL OPEN—34 MILES.

## LOCAL TRAFFIC.

(1)—PRIVATE.

Number of boats.	Nature of Cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton-mileage.	Tollage.	Rate of toll per ton-mile.
		Weight of cargo.	Value of cargo.	Maunds.	Tons.			
		Mds.	Rs.				Rs. A. P.	A. P.
ARTICLES OF FOOD.								
1	Paddy	10	10	25	1	24	0 3 0	.....
34	Rice	2,350	10,100	4,017	105	5,580	54 11 0	.....
4	Salt	510	1,500	820	30	660	8 8 6	.....
STAPLES OF MANUFACTURE.								
2	Cotton	200	2,000	459	16	528	3 3 0	.....
BUILDING MATERIALS.								
3	Unwrought timber and piles (59 in number)	.....	200	75	3	72	12 1 0	.....
MISCELLANEOUS.								
5	Passenger boat	.....	.....	307	11	204	4 12 0	.....
31	Empty do.	.....	.....	4,032	144	3,276	17 5 0	.....
1	Straw	200	50	261	9	54	0 10 0	.....
1	Miscellaneous	100	1,000	185	7	231	2 3 0	.....
82	Total	3,570	14,860	10,790	386	10,725	103 11 3	0 1 0
113	Total of same month last year	6,360	25,000	15,911	569	13,813	237 11 3	0 3 0

(2)—STORES AND MATERIALS FOR IRRIGATION WORKS.

		Mds.	Rs.				Rs. A. P.	A. P.
MISCELLANEOUS.								
15	Empty boats	.....	.....	1,518	54	1,782	9 6 0	.....
15	Total	.....	.....	1,518	54	1,782	9 6 0	0 1 0
1	Total of same month last year	.....	.....	146	5	170	1 0 0	0 1 8

## ABSTRACT.

		Mds.	Rs.				Rs. A. P.	
82	Private, including miscellaneous	3,570	14,860	10,790	386	10,725	103 11 3	.....
15	Government stores, including ditto	.....	.....	1,518	54	1,782	9 6 0	.....
97	Grand Total	3,570	14,860	12,308	440	12,507	113 1 3	.....
114	Grand Total of same month last year	6,360	25,000	16,057	574	13,983	239 4 3	.....

## MEMO.

Rs. A. P.

Unrecovered balance on the 1st of the month	.....	44 9 3
Amount of tollage for the month	.....	113 1 3
Total	.....	157 10 6
Amount credited in the accounts for the month	.....	35 2 6
Balance at the end of the month	.....	122 8 0

## High Level Canal, Range II.

LENGTH OF CANAL OPEN—12½ MILES.

Number of boats.	Nature of Cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton-mileage.	Tollage.	Rate of toll per ton-mile.
		Weight of cargo.	Value of cargo.	Maunds.	Tons.			

## LOCAL TRAFFIC.

## (1)—PRIVATE.

		Mds.	Rs.				Rs. A. P.	A. P.
ARTICLES OF FOOD.								
26	Rice	2,200	6,500	4,383	157	2,041	27 1 6	.....
1	Pulses and other crops	50	200	165	6	72	1 0 6	.....
1	Salt	200	500	378	13	91	2 6 0	.....
STAPLES OF MANUFACTURE.								
1	Castor seed	50	200	149	5	60	0 15 0	.....
BUILDING MATERIALS.								
...	Unwrought timber and piles (560 in number)	...	1,500	.....	.....	.....	23 7 0	.....
...	Bamboos (4000 in number)	.....	10	.....	.....	.....	0 4 0	.....
MISCELLANEOUS.								
1	Passenger boat	.....	.....	129	4	52	0 13 0	.....
32	Empty do.	.....	.....	3,389	121	1,395	10 8 0	.....
...	Small dongs (26 in number)	.....	.....	.....	.....	.....	6 15 0	.....
62	Total	2,500	9,010	8,503	306	3,711	73 6 0	0 3 8
15	Total of same month last year	400	3,400	2,637	91	1,115	62 12 6	0 10 8

## (2)—STORES AND MATERIALS FOR IRRIGATION WORKS.

		Mds.	Rs.				Rs. A. P.	A. P.
BUILDING MATERIALS.								
3	Building stones	1,500	20	2,220	79	79	13 13 0	.....
FUEL.								
2	Charcoal	300	50	318	11	132	1 15 0	.....
4	Firewood	500	50	1,558	56	692	9 11 0	.....
MISCELLANEOUS.								
5	Empty boats	.....	.....	1,763	63	140	5 7 6	.....
...	Small dongs (1 in number)	.....	.....	.....	.....	.....	0 6 0	.....
14	Total	2,100	120	5,899	209	1,043	31 4 6	0 6 0
74	Total of same month last year	10,500	220	27,710	989	11,356	290 13 6	0 5 0

## ABSTRACT.

		Mds.	Rs.				Rs. A. P.	A. P.
62	Private, including miscellaneous	2,500	9,010	8,503	306	3,711	73 6 0	.....
14	Government stores, including ditto	2,100	120	5,899	209	1,043	31 4 6	.....
76	Grand Total	4,600	9,130	14,402	515	4,754	104 10 6	.....
89	Grand Total of same month last year	11,300	3,020	30,247	1,080	12,471	350 8 0	.....

## MEMO.

		Rs. A. P.
Unrecovered balance on the 1st of the month	.....	230 8 6
Amount of tollage for the month	.....	104 10 6
Total	.....	335 3 0
Amount credited in the accounts for the month	.....	217 5 3
Balance at the end of the month	.....	117 13 9

High Level Canal, Range III.

LENGTH OF CANAL OPEN—20 MILES.

Number of boats.	Nature of Cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton-mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Maunds.	Tons.			

LOCAL TRAFFIC.

(1)—PRIVATE.

ARTICLES OF FOOD.		Mds.	Rs.				Rs. A. P.	A. P.
24	Rice ... ..	2,500	7,500	4,402	137	1,570	27 6 6	.....
1	Pulses and other crops ... ..	50	200	102	7	125	1 3 6	.....
MISCELLANEOUS.								
23	Empty boats ... ..	.....	.....	1,393	50	500	4 6 9	.....
47	Total ... ..	2,550	7,700	5,987	214	2,196	33 0 9	0 3 0
7	Total of same month last year ... ..	200	400	1,108	42	720	11 9 6	0 3 1

(2)—STORES AND MATERIALS FOR IRRIGATION WORKS.

		Mds.	Rs.				Rs. A. P.	A. P.
...	Nil ... ..	.....	.....	.....	.....	.....	.....	.....
	Total ... ..	.....	.....	.....	.....	.....	.....	.....
2	Total of same month last year ... ..	500	10	928	33	594	11 6 0	0 3 8

ABSTRACT.

		Mds.	Rs.				Rs. A. P.	A. P.
47	Private, including miscellaneous ... ..	2,550	7,700	5,987	214	2,196	33 0 9	.....
...	Government stores, including ditto ... ..	.....	.....	.....	.....	.....	.....	.....
47	Grand Total ... ..	2,550	7,700	5,987	214	2,196	33 0 9	.....
9	Grand Total of same month last year ... ..	700	519	2,096	75	1,314	22 15 6	.....

MEMO.

		Rs. A. P.
Unrecovered balance on the 1st of the month	...	86 15 0
Amount of tollage for the month	...	33 0 9
	Total	119 15 9
Amount credited in the accounts for the month	...	86 15 0
Balance at the end of the month	...	33 0 9



## SOUTH-WESTERN CIRCLE.

## Midnapore Canal.

LENGTH OF CANAL OPEN—53 MILES.

## LOCAL TRAFFIC.

(1)—PRIVATE.

Number of Boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton-mileage.	Tollage.	Rate of toll per ton-mile.
		Weight of cargo.	Value of cargo.	Maunds.	Tons.			
	ARTICLES OF FOOD.	Mds.	Rs.				Rs. A. P.	A. P.
170	Paddy	31,500	35,038	50,920			1,632 1 0	
402	Rice	81,600	1,83,380	1,89,250			2,298 6 9	
3	Wheat	260	960	690			5 9 9	
127	Gram	25,525	66,734	57,105			580 10 3	
112	Fruits and vegetables	12,440	17,945	28,743			196 3 0	
59	Sugar, unrefined	9,885	36,965	21,550			127 14 9	
104	Salt	72,940	1,94,965	1,48,390			1,548 4 3	
7	Oil	227	1,445	855			7 9 3	
1	Spices	509	304	800			7 0 0	
1	Fish	5	80	20			0 2 9	
5	Betelnuts	265	2,860	925			7 2 0	
36	Rotel leaves	757	4,548	4,265			35 15 3	
4	Cocoanuts (3,500 in number)	305	536	950			10 6 0	
30	Curd	3,610	7,629	10,590			88 11 0	
2	Onion	110	105	235			2 0 9	
	STIMULANTS.							
38	Tobacco	4,985	25,710	12,900			138 14 0	
	CLOTHING.							
9	Cotton piece-goods (Indian)	270	27,000	1,285			10 9 9	
5	Ditto ditto (European)	600	60,000	1,430			9 12 6	
	STAPLES OF MANUFACTURE.							
43	Brass	6,525	2,61,750	21,200			182 12 0	
11	Copper	3,170	95,160	6,775			59 4 6	
4	Iron	850	5,700	1,775			17 15 0	
3	Silk	20	16,000	800			7 0 0	
7	Cotton	1,195	24,880	2,705			29 0 3	
38	Do. twist and yarn (European)	7,820	3,37,100	37,775			163 2 0	
13	Hides (13,320 in number)	2,360	22,370	5,260			71 10 9	
4	Horns	580	1,380	1,400			12 4 0	
1	Indigo-seeds	200	1,060	450			13 8 0	
7	Linseed	1,925	5,850	4,725			57 14 0	
2	Other oil-seeds	675	2,350	1,400			12 4 0	
16	Mustard seed	3,925	13,000	7,325			52 6 0	
4	Til seed	980	3,307	2,225			13 7 6	
	BUILDING MATERIALS.							
1	Limestone	650	78	1,100			22 14 0	
5	Ghooting lime	500	360	1,915			5 4 0	
2	Ghooting	650	225	1,250			18 12 0	
54	Sand	18,890	1,837	34,025			146 11 0	
46	Unwrought timber and piles (2,749 in number)	5,313	5,995	7,570			140 12 6	
3	Bamboos (200 in number)	10	18	325			2 1 6	
	LIVE-STOCK.							
5	Bullock, oxen and cow (9 in number)		125	410			3 14 6	
	FUEL.							
25	Coal and coke	10,810	2,722	20,675			146 6 0	
25	Charcoal	7,800	4,550	21,800			236 6 0	
11	Firewood	2,375	580	7,625			171 5 3	
	COOKING UTENSILS AND OTHER DOMESTIC IMPLEMENTS.							
25	Earthenware and pots	2,746	808	6,560			41 5 6	
6	Stone plates	1,325	3,025	2,925			55 4 0	
	MISCELLANEOUS.							
840	Passenger boats			61,670			472 15 6	
1,117	Empty do.			1,38,755			1,359 8 6	
52	Straw (1,162 kahuna)	8,010	3,947	35,133			177 2 0	
51	Oil-cake	12,860	13,030	27,305			178 10 3	
9	Furniture	275	1,745	1,305			23 10 9	
4	Mats	90	600	400			6 14 0	
65	Miscellaneous	7,410	6,097	21,085			178 12 0	
18	Other oils	3,065	14,935	7,125			73 13 0	
1	Seji	200	400	425			3 11 6	
1	Bones	150	600	575			17 4 0	
1	Stamp paper	40	5,000	90			2 11 3	
1	Canes	30	60	125			1 1 6	
	Demurrage						24 10 0	
3,725	Total	5,59,878	15,13,245	10,12,065	56,145	6,61,840	10,391 10 6*	0 2 4
4,190	Total of same month last year	4,22,064	19,89,760	10,42,667	37,238	6,79,936	11,293 13 8	0 3 1

\* This includes tolls on the Narainghar channel, amounting to Rs. 210-11-3.

MEMO.		Rs. A. P.
Unrecovered balance on the 1st of the month		1,806 10 8
Amount of tollage for the month		10,294 10 9
	Total	12,008 5 5
Amount credited in the accounts for the month		10,153 3 9
Balance at the end of the month		1,855 1 5

## Hidgellee Tidal Canal.

LENGTH OF CANAL OPEN—29 MILES.

Number of boats.	Nature of Cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton-mileage.	Tollage.	Rate of toll per ton-mile.
		Weight of cargo.	Value of cargo.	Maunds.	Tons.			

## LOCAL TRAFFIC.

## (1)—PRIVATE.

ARTICLES OF FOOD.		Mds.	Rs.				Rs. A. P.	A. P.
201	Paddy	56,420	58,880	1,15,005			1,801 4 6	
172	Rice	49,345	79,810	85,420			781 14 6	
2	Gram	90	265	175			5 9 9	
68	Fruits and vegetables	4,449	15,821	11,135			116 13 3	
17	Juncery	2,276	5,875	6,175			198 8 0	
2	Sugar	125	1,609	690			4 2 0	
71	Salt	16,729	41,274	39,450			515 1 6	
29	Oil	1,530	25,300	5,935			66 3 3	
STIMULANTS.								
185	Tobacco	13,089	66,844	40,700			548 15 3	
CLOTHING.								
29	Cotton piece-goods (European)	2,175	54,375	7,545			96 13 9	
STAPLES OF MANUFACTURE.								
2	Cotton, twist and yarn (European)	80	3,000	190			1 5 0	
3	Hides	275	2,100	650			10 1 6	
8	Mustard seed	1,525	3,039	3,435			26 0 9	
BUILDING MATERIALS.								
3	Brick	520	54	1,325			13 14 3	
1	Tiles	50	29	275			1 14 3	
2	Building stores	90	71	200			1 13 0	
10	Shooting lime	1,139	104	2,475			17 0 3	
5	Unwrought timber and piles	405	527	455			6 0 3	
9	Bamboos	1,885	581	2,795			27 14 3	
FUEL.								
6	Coal and coke	2,300	575	4,250			59 5 0	
6	Firewood	710	130	1,575			17 2 3	
COOKING UTENSILS AND OTHER DOMESTIC IMPLEMENTS.								
1	Earthenware and earthen pots	160	250	350			2 6 6	
MISCELLANEOUS.								
85	Passenger boats			6,535			60 12 3	
498	Empty do.			58,090			572 13 6	
60	Straw	19,280	5,627	28,275			194 6 3	
3	Furniture	70	460	300			3 8 8	
8	Mats	1,369	5,950	3,850			26 7 6	
24	Miscellaneous	1,140	1,820	2,060			28 9 3	
1,690	Total	1,61,847	3,76,513	4,31,235	15,423	291,620	5,169 10 6	0 3 3
2,276	Total of same month last year	2,51,206	3,97,068	6,44,765	23,927	466,157	8,185 2 0	0 3 3

## (2)—STORES AND MATERIALS FOR IRRIGATION WORKS.

BUILDING MATERIALS.		Mds.	Rs.				Rs. A. P.	A. P.
1	Bricks	360	30	600			4 2 0	
1	Sand	150	7	250			2 13 0	
MISCELLANEOUS.								
1	Empty boats	20	200	50			0 5 6	
1	Stores, &c.			70			0 7 6	
4	Total	470	237	970	34	443	7 12 0	0 3 3
1	Total of same month last year			50	2	52	0 14 6	0 3 3

## ABSTRACT.

	Mds.	Rs.				Rs. A. P.
1,596	Private, including miscellaneous	1,61,847	3,76,513	4,31,855	15,423	291,620
4	Government stores, including ditto	470	237	970	34	443
1,594	Grand Total	1,62,317	3,76,750	4,32,825	15,457	292,063
2,276	Grand Total of same month last year	2,51,206	3,97,068	6,44,815	23,929	466,209

## MEMO.

	Rs. A. P.
Unrecovered balance on the 1st of the month	1,154 2 9
Amount of tollage for the month	5,117 6 6
Amount credited in the accounts for the month	6,271 9 3
Balance at the end of the month	1,495 5 6

## SONE CIRCLE.

## Eastern Main and Patna Canals.

LENGTH OF CANAL OPEN—86½ MILES.

## LOCAL TRAFFIC.

## (1)—PRIVATE.

Number of boats.	Nature of Cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton-miles.	Tollage.	Rate of toll per ton-mile.
		Weight of cargo.	Value of cargo.	Maunds.	Tons.			
	ARTICLES OF FOOD.	Mds.	Rs.				Rs. A. P.	A. P.
1	Rice	40	120	220	7½	495½	4 11 0	.....
2	Pulses and other crops	500	450	716	22½	1,011½	35 13 3	.....
15	Sugar	4,010	10,030	6,500	231½	17,129½	162 3 6	.....
	STIMULANTS.							
27	Tobacco	6,352	13,200	11,000	307½	23,310½	225 5 0	.....
	STAPLES OF MANUFACTURE.							
2	Cotton	250	4,000	592	21	1,216	13 6 0	.....
8	Hides	950	6,400	1,894	67½	4,458	47 6 0	.....
31	Linseed	8,000	34,300	11,726	418½	30,837½	371 8 6	.....
	BUILDING MATERIALS.							
2	Kunkur	250	20	523	18½	391	2 0 0	.....
3	Bullahs (332 in number)	.....	200	.....	.....	.....	33 4 0	.....
3	Bamboos (83,675 in number)	.....	.....	.....	.....	.....	.....	.....
...	Ditto hill	50	14	130	4½	97½	1 0 3	.....
	FUEL.							
1	Firewood (112 in number)	.....	20	.....	.....	.....	0 3 3	.....
	MISCELLANEOUS.							
8	Passenger boat (226 in number)	.....	.....	1,326	49½	1,653½	15 15 6	.....
107	Empty do.	.....	.....	13,177	461½	15,801	78 5 0	.....
1	Straw	.....	210	210	7½	157½	1 10 0	.....
23	Miscellaneous	4,320	9,325	8,107	289½	20,303½	206 4 3	.....
231	Total	25,302	78,649	66,223	2,000½	117,522½	1,179 7 3	0 10
...	Total of same month last year	.....	.....	.....	.....	.....	.....	.....

## (2)—STORES AND MATERIALS FOR IRRIGATION WORKS.

	BUILDING MATERIALS.	Mds.	Rs.				Rs. A. P.	A. P.
1	Govt. Bullah	80	80	137	5½	117½	1 3 6	.....
	MISCELLANEOUS.							
1	Rancegunge pipes	125	200	128	4½	96	1 0 3	.....
2	Total	205	330	265	10	213½	2 3 9	0 20
...	Total of same month last year	.....	.....	.....	.....	.....	.....	.....

## ABSTRACT.

	Mds.	Rs.				Rs. A. P.	A. P.
231	Private, including miscellaneous	25,302	78,649	66,223	2,000½	117,522½	1,179 7 3
2	Government stores including ditto	205	330	265	10	213½	2 3 9
233	Grand Total	25,507	78,379	66,508	2,010½	117,736½	1,181 11 0
...	Grand Total of same month last year	.....	.....	.....	.....	.....	.....

There were no receipts during June 1883, on account of closure of canals.

	MEMO.	Rs. A. P.
Unrecovered balance on the 1st of the month	.....	402 12 0
Amount of tollage for the month	.....	1,181 11 0
Total	.....	1,674 7 0
Amount credited in the accounts for the month	.....	954 2 0
Balance at the end of the month	.....	740 5 0

*Western Main Canal.*

LENGTH OF CANAL OPEN—22 MILES.

## LOCAL TRAFFIC.

## (1)—PRIVATE.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton-mileage.	Tollage.	Rate of toll per ton-mile.
		Weight of cargo.	Value of cargo.	Maunds.	Tons.			
		Mds.	Rs.				Rs. A. P.	A. P.
Nil								
	Total							
74	Total of same month last year	35,314	89,030	46,625	1,663	16,630	315 2 0	0 2 6

## (2)—STORES AND MATERIALS FOR IRRIGATION WORKS.

		Mds.	Rs.				Rs. A. P.	
Nil								
	Total							
4	Total of same month last year	860	49	1,450	51	640	4 8 6	0 1 3

## ABSTRACT.

		Mds.	Rs.				Rs. A. P.	
Private, including miscellaneous								
Government stores, including ditto								
	Grand Total							
78	Grand Total of same month last year	56,114	89,079	48,075	1,714	17,270	317 10 6	

Canal closed for silt clearance, &amp;c.

	MEMO.	Rs. A. P.
Unrecovered balance on the 1st of the month		Nil
Amount of tollage for the month		
	Total	
Amount credited in the accounts for the month		
Balance at the end of the month		

*Arrah Canal.*

LENGTH OF CANAL OPEN—65 MILES.

## LOCAL TRAFFIC.

## (1)—PRIVATE.

		Mds.	Rs.				Rs. A. P.	A. P.
Nil								
	Total							
279	Total of same month last year	55,146	1,89,985	96,063	3,424	181,945	1,659 7 6	0 1 7



*Arrah Canal—concluded.*

Number of boats.	Nature of Cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton-mileage.	Tollage.	Rate of toll per ton-mile.
		Weight of cargo.	Value of cargo.	Maunds.	Tons.			
(2) STORES AND MATERIALS FOR IRRIGATION WORKS.								
		Mds.	Rs.				Rs. A. P.	A. P.
Nil								
	Total							
25	Total of same month last year	2,879	514	6,102	218	11,429	59 4 6	0 6 9

## ABSTRACT.

		Mds.	Rs.				Rs. A. P.	A. P.
Private, including miscellaneous								
Government stores, including ditto								
Grand Total								
304	Grand Total of same month last year	61,025	1,90,469	1,02,225	3,642	193,374	1,718 12	

Canal closed for silt clearance, &amp;c.

MEMO.		Rs. A. P.	
Unrecovered balance on the 1st of the month (deficit)		16	1 0
Amount of tollage for the month			
Amount credited in the accounts for the month		Total	16 1 0
Balance at the end of the month (deficit)			7 8 6
			23 9 6 *

\* The cause of this is being inquired into.

*Buxar Canal.*

LENGTH OF CANAL OPEN—45 MILES.

## LOCAL TRAFFIC.

## (1)—PRIVATE.

		Mds.	Rs.				Rs. A. P.	Rs. A.
Nil								
	Total							
185	Total of same month last year	56,295	1,15,791	47,076	1,700	72,185	733 15 3	0 1 9

## (2)—STORES AND MATERIALS FOR IRRIGATION WORKS.

		Mds.	Rs.				Rs. A. P.	A. P.
Nil								
	Total							
	Total of same month last year							

## ABSTRACT.

		Mds.	Rs.				Rs. A. P.	A. P.
Private, including miscellaneous								
Government stores, including ditto								
Grand Total								
185	Grand Total of same month last year	56,295	1,15,791	47,076	1,700	72,185	733 15 3	

Canal closed for silt clearance, &amp;c.

MEMO.		Rs. A. P.	
Unrecovered balance on the 1st of the month		31	1 3
Amount of tollage for the month			
Amount credited in the accounts for the month		Total	31 1 3
Balance at the end of the month			31 1 3

ABSTRACT FOR THE MONTH OF JUNE 1884.

CANAL.	TRAFFIC, 1884-85.		TRAFFIC, 1883-84.		REMARKS.
	During the month.	To end of the month.	During the corresponding month.	To end of the corresponding month.	
ORISSA CIRCLE.					
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Taldunda ... ..	42 7 0	260 11 6	136 10 3	473 8 0	
Kendrapara ... ..	2,150 3 8	6,496 14 4	3,527 10 8	10,263 15 1	
High Level, Range I ... ..	113 1 3	614 14 0	239 4 3	1,293 12 6	
Ditto, ditto II ... ..	104 10 6	564 5 9	359 8 0	1,283 14 3	
Ditto, ditto III ... ..	33 0 9	172 0 0	22 15 0	273 14 8	
Total Orissa Circle ...	2,443 7 2	8,109 6 7	4,286 0 2	12,389 0 6	
SOUTH-WESTERN CIRCLE.					
Midnapore ... ..	10,201 10 9	26,267 13 0	11,293 15 8	30,670 14 5	
Hingalee Tidal ... ..	5,117 6 6	14,982 4 6	8,186 0 6	21,366 8 3	
Total South-Western Circle ...	15,319 1 3	41,250 1 6	19,480 0 2	52,037 6 8	
SONE CIRCLE.					
Eastern Main and Patna ... ..	1,181 11 0	6,296 10 6	.....	1,172 2 6	Western Main Series of canals remained closed during the month for silt clearance.
Western Main ... ..	.....	.....	817 10 6	742 9 9	
Arrah ... ..	.....	.....	1,718 12 0	5,127 10 0	
Buxar ... ..	.....	.....	733 15 3	2,473 10 3	
Total Sone Circle ...	1,181 11 0	6,296 10 6	2,770 5 9	9,516 0 6	
GRAND TOTAL ...	18,944 3 5	55,656 2 7	26,536 6 1	75,142 7 8	

GOVERNMENT TRANSPORT SERVICE.

CANAL.	TRAFFIC, 1884-85.						TRAFFIC, 1883-84.					
	During the month.			To end of the month.			During the corresponding month.			To end of the corresponding month.		
	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.
ORISSA CIRCLE.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds. (a)	Rs. A. P.	No.	Mds. (a)	Rs. A. P.
Taldunda and Kendrapara ...	369	30	290 0 6	1,771	9,793	4,996 1 9	510	1,024	1,102 12 6	2,132	2,057	4,470 12 0
High Level ... ..	11	90	23 8 3	1,061	3,372	1,406 8 1	99	132	126 7 0	690	1,813	854 1 7
Total Orissa Circle ...	380	120	313 8 9	2,832	13,165	6,402 9 10	609	132	1,229 3 6	2,822	1,813	5,324 13 7
SOUTH-WESTERN CIRCLE.												
Midnapore ... ..	11,390	833	750 0 0	30,322	1,905	2,250 0 0	11,422	415	1,090 0 0	33,923	1,147	3,000 0 0
Total South-Western Circle	11,390	833	750 0 0	30,322	1,905	2,250 0 0	11,422	415	1,090 0 0	33,923	1,147	3,000 0 0
SONE CIRCLE.												
Eastern Main and Patna ... ..	1,229	405 11 3	...	1,854	1,063 8 0	...	...	...	...	417	1,686	434 2 0
Western Main and Buxar ... ..	...	.....	...	...	256 4 0	1,804	3,041	1,104 0 0	4,320	8,358	2,837 7 9	
Arrah ... ..	...	.....	...	...	.....	2,921	1,941	1,932 0 0	6,786	6,638	4,702 0 0	
Total Sone Circle ...	1,229	405 11 3	...	1,854	1,319 12 0	4,725	4,882	3,036 0 0	11,523	16,982	7,978 9 9	
GRAND TOTAL ...	11,770	2,182	1,469 4 0	42,144	16,924	9,972 5 10	13,766	5,449	5,325 3 6	48,268	19,642	16,298 7 4

(a) Parcels.

TOTAL NAVIGATION RECEIPTS.

	EARNINGS, 1884-85.		EARNINGS, 1883-84.		REMARKS.
	During the month.	To end of the month.	During the corresponding month.	To end of the corresponding month.	
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Orissa Canals ... ..	2,766 15 11	14,512 0 5	5,575 3 8	18,913 14 1	
Midnapore Canal ... ..	10,051 10 9	28,517 13 0	12,293 15 8	33,670 14 5	
Hidgellee Tidal Canal ... ..	5,117 6 6	14,982 4 6	8,186 0 6	21,366 8 3	
Sone Canals ... ..	1,567 6 3	7,616 6 6	5,806 5 9	17,489 10 3	
GRAND TOTAL ...	20,413 7 5	65,628 8 5	31,861 9 7	91,440 15 0	

G. F. E. S. NELL, Major, M.S.C.,  
Under-Secy. to the Government of Bengal.

CALCUTTA,  
The 5th August 1884.

**Statement of Fluctuation of Goods Traffic on the Northern Bengal State Railway  
for the month of June 1884.**

*Abstract of the principal commodities carried over the Line during the month of June 1884,  
as compared with the same month of the previous year.*

STAPLES.	1883.		1884.		Total in 1883.	Total in 1884.	Increase.	Decrease.
	Up.	Down.	Up.	Down.				
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Ale	42'39	.....	30'38	'25	42'39	30'63	.....	11'76
Food-grain	1,212'19	2,323'21	1,061'33	2,319'30	3,533'49	2,480'89	.....	54'51
Ginger	.....	56'87	.....	245'11	56'87	245'11	188'24	.....
Gunny-bags	17'78	495'04	44'23	167'04	512'82	211'27	.....	301'55
Jute	3'94	1,490'51	.....	385'45	1,495'55	385'45	.....	1,018'10
Miscellaneous	1,417'12	586'29	1,146'39	488'06	2,003'41	1,634'45	.....	368'96
Piece-goods	354'55	'14	436'29	1'76	354'69	438'05	83'36	.....
Railway material	1,422'06	167'75	3,346'98	61'65	1,529'51	3,408'63	1,878'82	.....
Salt	2,511'64	470	2,178'18	9'4	2,516'34	2,188'02	.....	328'32
Sugar	27'73	.....	63'17	1'26	27'73	66'42	38'69	.....
Seeds	313'88	67'08	97'68	429'97	380'96	518'65	137'69	.....
Tea	.....	525'93	.....	62'94	525'93	692'93	77'00	.....
Tobacco	11'31	1,437'80	.....	2'86	1,177'33	1,449'11	1,180'19	.....
Total	7,333'69	7,005'32	8,409'69	5,981'00	14,339'01	14,390'69	.....	.....

**GENERAL REMARKS AND EXPLANATIONS.**

An examination of the above abstract will show that there has been no falling off in the traffic for June, as compared with the same period last year, though the increase which has taken place is insignificant. The total quantity of traffic lifted during these two months was respectively 14,390'69 tons, as against 14,339'01 tons, giving only a difference of 51'68 tons in favour of the month under review.

As regards jute and gunny there has been no change in the Calcutta market. It continues depressed. In addition there has been a falling off in the salt and tobacco traffic. The decrease in the former is only a trade fluctuation, as up to the end of June 1884 we carried 1,906'57 tons, more than during the same period last year. The falling off in the latter is due to a weak market and no demand.

An increase in Ginger, Seeds, and Tea has partially made up for the falling off under other staples.

**INCREASES.**

Ginger ..... Tons 188'24  
A demand still exists for this article, and fair prices are being offered. Up to five months ending May the exports have been 19,533 maunds as against 8,964 maunds for the same time last year.

Piece-goods ..... Tons 83'36  
The opening of the Dinapore section has made so many more mofussil markets accessible by railway. Stocks are being replenished for the Poojas.

Railway material ..... Tons 1,878'82  
Locomotive coal principally contributes to this increase.

Sugar ..... Tons 38'69  
This is the first increase recorded since February, and it is apparently due to a decline in prices in the Calcutta market.

Seeds ..... Tons 137'69  
This is a new head. In previous reports this staple was included under food-grain. A good demand with fair prices existed during the month.

Tea ..... Tons 77'00  
The Calcutta market is favourable for good lots, and fair prices are being obtained by sellers.

**DECREASES.**

Ale ..... Tons 11'76  
This is a small decrease and will be made up later on.

Food-grain ..... Tons 54'51  
This decrease is really due to Seeds, which used to be included in this traffic, being now shown under a separate head. The market has declined for rice, though there is a fair local demand for paddy.

Gunny-bags ..... Tons 301'55  
There are no stocks to speak of in Calcutta, and hand-made bags are not being manufactured. Quotations are nominal.

Jute ..... Tons 1,018'10  
The market continues very dull.

Miscellaneous ..... Tons 368'96  
This decrease is due to fluctuations of traffic.

Salt ..... Tons 328'32  
This is only a decrease as compared with the same month last year. Up to the end of June 1884 we carried 13,455'37 tons of salt as against 11,548'80 tons for the same period in 1883.

Tobacco ..... Tons 268'92  
The market has entirely declined for this staple.

TRAFFIC SUPERINTENDENT'S OFFICE, Saidpur, the 23rd July 1884.

G. S. LEONARD, Traffic Superintendent.

## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 26th July 1884 on 1,509½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the period ...	182,568	1,83,507 14 0	20,33,346 20	4,77,823 10 11	17,458 2 1	6,80,589 11 0	63,105½	89,587½	152,692½
Or per mile of railway ...	122 12 2	122 12 2	...	316 8 2	11 9 1	450 13 11	...	...	...
For previous 3 weeks of half-year ...	565,705	5,57,548 2 0	56,08,684 0	13,14,494 4 0	49,136 5 0	19,21,178 11 0	166,110	245,880	409,990
Total for 4 weeks ...	746,273	7,42,856 0 0	76,42,230 0	17,92,317 14 11	66,504 7 1	26,01,768 6 0	230,215½	333,467½	562,682½
COMPARISON.									
Total for corresponding week of previous year ...	182,267	1,88,893 2 8	21,55,357 30	5,40,137 7 11	14,954 12 8	7,43,985 7 3	62,448	110,838	173,286
Per mile of railway, corresponding week of previous year ...	125 2 10	125 2 10	...	357 15 1	9 14 7	493 0 0	...	...	...
Total to corresponding date of previous year ...	869,917½	8,04,759 13 10	94,02,373 20	27,10,635 11 19	67,361 1 7	35,82,195 11 3	249,900	568,145	818,135

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI. Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 28TH JULY 1883.			RECEIPTS FOR WEEK ENDING 26TH JULY 1884.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 28TH JULY 1883.*			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 26TH JULY 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
1,509	7,43,985	493	1,509½	6,80,590	451	1,509	1,76,95,792	11,727	1,509½	1,42,29,337	9,427	.....	34,67,455

## EASTERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for week ended 26th July 1884, on 359 miles open, including Calcutta and South-Eastern and Bengal Central Railway mileage.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated). Including steam boat.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
A.—Total traffic for the week ...	69,456	27,299 0 0	1,60,292 0	29,400 0 0	5,800 0 0	62,550 0 0	13,1 11	10,055	23,166
Or per mile of railway ...	193	75 14 11	471 0	81 14 4	...	167 13 3	...	...	...
For previous 3 weeks of half-year ...	230,980	87,750 0 0	5,21,100 0	83,870 0 0	11,740 0 0	1,83,340 0 0	33,911	20,888	54,799
Total for 4 weeks ...	300,436	1,14,990 0 0	6,90,392 0	1,13,270 0 0	17,630 0 0	2,45,890 0 0	47,022	30,943	77,965
COMPARISON.									
B.—Total for corresponding week of previous year ...	67,632	31,880 0 0	2,04,923 0	41,611 0 0	6,920 0 0	80,411 0 0	10,088	6,320	17,048
Per mile of railway, corresponding period of previous year ...	256	121 3 6	1,007 0	188 3 5	...	279 6 11	...	...	...
Total to corresponding date of previous year ...	306,496	1,31,043 0 0	10,02,374 0	1,06,721 0 0	31,978 0 0	3,29,742 0 0	40,287	28,611	68,897

A.—Includes receipts of Calcutta and South-Eastern Railway, and 50 per cent. of receipts of Bengal Central Railway, viz. Rs. 3,759 and Rs. 3,683 respectively apportioned over this several heads of traffic.

B.—Includes share of Bengal Central Railway receipts due to Eastern Bengal Railway for working, viz. Rs. 905, and Calcutta and South-Eastern receipts, Rs. 7,120.

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

RECEIPTS FOR WEEK ENDING 28TH JULY 1883.			RECEIPTS FOR WEEK ENDING 26TH JULY 1884.			TOTAL RECEIPTS FROM 1ST APRIL TO 28TH JULY 1883.			TOTAL RECEIPTS FROM 1ST APRIL TO 26TH JULY 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
263	80,411	306	350*	62,550	174	263	15,55,637	5,915	359	12,45,026	3,476	.....	3,07,611

\* Increase in mileage.

Porada section ... Miles, 5  
Bengal Central Railway, Bongong to Khulna... 91  
— 96  
—



## BENGAL CENTRAL RAILWAY.

Approximate return of Traffic for week ended 26th July 1884, on 126 Miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
A.—Total traffic for the week ...	16,409	6,141 0 0	8,838 0	1,174 0 0	50 0 0	7,565 0 0	3,285	970	4,255
Or per mile of railway ...	130	48 11 10	70 0	9 5 1	0 6 4	58 7 3	.....	.....	.....
For previous 3 weeks of half-year ...	51,060	18,090 0 0	33,784 0	5,324 0 0	135 0 0	21,558 0 0	7,965	3,535	11,500
Total for 4 weeks ...	67,469	24,240 0 0	42,622 0	6,498 0 0	185 0 0	28,923 0 0	11,270	4,505	15,775
COMPARISON.									
B.—Total for corresponding week of previous year ...	8,663	1,559 0 0	12,249 0	269 0 0	161 0 0	1,989 0 0	951	257	1,208
Per mile of railway corresponding period of previous year ...	246	44 8 8	359 0	7 11 0	4 9 7	56 13 3	.....	.....	.....
Total to corresponding date of previous year ...	38,782	6,666 0 0	70,807 0	1,494 0 0	211 0 0	8,371 0 0	3,471	1,361	4,832

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

RECEIPTS FOR WEEK ENDING 25TH JULY 1883.			RECEIPTS FOR WEEK ENDING 26TH JULY 1884.			TOTAL RECEIPTS FROM 1ST APRIL TO 25TH JULY 1883.			TOTAL RECEIPTS FROM 1ST APRIL TO 26TH JULY 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.
55	1,989	57	126	7,305	58	35	37,111	1,060	126	1,64,274	1,304	1,27,163	.....

## PATNA AND GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 26th July 1884 on 57½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	9,729	5,277 12 0	49,709 0	3,715 6 0	32 10 0	9,925 12 0	1,711	1,242	2,953
Or per mile of railway ...	170	92 4 4	869 10	64 15 3	0 9 1	157 12 8	.....	.....	.....
For previous 3 weeks of half-year ...	23,069	12,655 7 0	1,21,308 30	9,265 2 0	98 6 0	22,118 15 0	4,650½	3,731½	8,382
Total for 4 weeks ...	32,729	17,933 3 0	1,71,017 30	13,080 8 0	131 0 0	31,144 11 0	6,361½	4,973½	11,335
COMPARISON.									
Total for corresponding week of previous year ...	7,337½	3,612 2 11	15,528 10	1,438 4 0	51 2 0	5,101 8 11	1,823	571	2,394
Per mile of railway corresponding week of previous year ...	128	63 2 5	271 20	25 2 4	0 14 3	89 5 0	.....	.....	.....
Total to corresponding date of previous year ...	31,766½	14,586 13 0	1,09,515 30	7,944 3 0	230 14 0	22,761 14 0	7,089	2,487	.....

Approximate Statement of gross receipts of the Patna and Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 25TH JULY 1883.			RECEIPTS FOR WEEK ENDING 26TH JULY 1884.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 25TH JULY 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 26TH JULY 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.
57½	5,102	89	57½	9,025	158	57½	1,42,486	2,491	57½	1,44,642	2,529	2,156	.....

## GHAZIPUR-DILDARNAGAR STATE RAILWAY.

Approximate Return of Traffic for week ended 26th July 1884 on 12 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,389	415 15 0	7,333 10	190 5 0	39 14 0	646 2 0	100	100	320
Or per mile of railway ...	...	34 10 7	...	15 13 9	3 5 2	53 13 6	...	...	...
For previous 3 weeks of half-year ...	6,718	1,143 15 0	22,114 10	500 3 0	160 0 0	1,804 2 0	801	502	893
Total for 4 weeks ...	9,107	1,559 14 0	29,447 20	690 8 0	199 14 0	2,450 4 0	551	671	1,222
COMPARISON.									
Total for corresponding week of previous year ...	2,121½	369 14 4	5,656 10	78 4 0	42 6 0	400 8 4	237	92	329
Per mile of railway corresponding week of previous year ...	...	30 13 2	...	6 8 4	3 8 6	40 14 0	...	...	...
Total to corresponding date of previous year ...	8,558	1,463 2 10	35,084 30	890 12 0	136 12 0	2,520 10 10	855	461	1,316

Approximate Statement of gross receipts of the Ghazipur-Dildarnagar State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 26TH JULY 1883.			RECEIPTS FOR WEEK ENDING 26TH JULY 1884.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 26TH JULY 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 26TH JULY 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
12	401	41	12	646	54	12	18,052	1,504	12	20,383	1,699	2,331	.....

## SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 26th July 1884 on 74½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,097	3,561 8 0	40,648 30	2,289 4 3	95 12 0	5,946 8 3	709½	930½	1,640½
Or per mile of railway ...	...	47 12 10	...	30 11 8	1 4 7	79 13 1	...	...	...
For previous 3 weeks of half-year ...	12,063	10,303 7 0	1,34,988 20	6,456 11 0	267 13 0	17,017 15 0	1,769½	2,372½	4,131½
Total for 4 weeks ...	15,760	13,864 15 0	1,84,637 10	8,745 15 3	353 9 0	22,964 7 3	2,469½	3,302½	5,772
COMPARISON.									
Total for corresponding week of previous year ...	3,812½	3,347 8 11	11,846 30	1,341 11 0	70 7 0	4,759 10 11	682	396	1,065
Per mile of railway, corresponding week of previous year ...	...	44 14 11	...	18 0 2	0 15 2	63 14 3	...	...	...
Total to corresponding date of previous year ...	16,208½	13,146 7 4	62,658 20	7,706 4 0	240 5 0	21,609 0 4	2,488	2,661	5,089

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 26TH JULY 1883.			RECEIPTS FOR WEEK ENDING 26TH JULY 1884.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 26TH JULY 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 26TH JULY 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
74½	4,700	64	74½	8,947	80	74½	1,05,721	1,419	74½	1,21,361	1,628	15,580	.....

## BENGAL PROVINCIAL RAILWAYS.

## Weekly Statement of Traffic Receipts.

Latest return received.	Name of Railway.	Length open.	RECEIPTS FOR WEEK ENDING		TOTAL RECEIPTS FROM 1ST JANUARY		Total increase in 1884.	Total decrease in 1884.	Percentage of increase or decrease.
			21st April 1883.	19th April 1884.	To 21st April 1883.	To 30th April 1884.			
1884.		Miles.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
21st June ...	Northern Bengal ...	239	37,181 0 0	51,750 0 0	47,58,841 0 0	25,76,000 0 0	.....	1,82,555 0 0	-24
17th May ...	Tirhoot ...	193	18,202 0 0	18,151 0 0	2,49,017 0 0	3,47,142 0 0	25,125 0 0	.....	+29
21st June ...	Calcutta and South-Eastern ...	56	5,729 0 0	7,155 0 0	93,791 0 0	1,08,265 0 0	14,474 0 0	.....	+15
3rd May ...	Naihati ...	27½	1,386 0 0	1,250 0 0	27,472 0 0	23,738 0 0	.....	3,734 0 0	-13
	Total ...	515½	63,008 0 0	68,305 0 0	11,29,121 0 0	10,55,137 0 0	.....	73,970 0 0	-6

A B includes the supply figures for the quarter ending 31st March 1884.

## BENGAL PROVINCIAL RAILWAYS.

## Weekly Statement of Traffic Receipts.

Latest return received.	Name of Railway.	Length open.	RECEIPTS FOR WEEK ENDING		TOTAL RECEIPTS FROM 1ST JANUARY		Total increase in 1884.	Total decrease in 1884.	Percentage of increase or decrease.
			28th April 1883.	26th April 1884.	To 28th April 1883.	To 26th April 1884.			
1884.		Miles.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs.	Rs.	
21st June ...	Northern Bengal ...	239	50,409 0 0	48,358 0 0	8,09,801 0 0	8,24,364 0 0	.....	1,84,837	-23
17th May ...	Tirhoot ...	193	17,650 0 0	19,093 0 0	2,66,007 0 0	3,66,835 0 0	1,00,768	.....	+38
21st June ...	Calcutta and South-Eastern ...	56	6,583 0 0	6,006 0 0	1,00,374 0 0	1,14,271 0 0	13,897	.....	+14
3rd May ...	Naihati ...	27½	1,661 0 0	1,452 0 0	20,125 0 0	25,179 0 0	.....	5,053	+14
	Total ...	515½	76,744 0 0	75,489 0 0	12,94,865 0 0	11,50,649 0 0	.....	74,225	-6





# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, AUGUST 13, 1884.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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Meteorological Report of the Province of Bengal for the month of July 1884	1404	East Indian Railway	1428
Table of rainfall recorded at Stations in Bengal in July 1884	1408	Weekly Return of Traffic Receipts on Indian Railways...	1430
Results of the Meteorological Observations taken at the Allpore Observatory from 3rd to 9th August 1884	1415		

### INTERNATIONAL EXHIBITION OF ANTWERP, 1885.

#### NOTIFICATION.

*The 1st August 1884.*—The following papers, relating to the International Exhibition, which it is proposed to hold at Antwerp in Belgium in 1885, are published for general information. Any further information required by intending exhibitors may be obtained from the Belgian Consul-General in Bombay.

A. P. MACDONNELL,

*Secretary to the Govt. of Bengal.*

#### KINGDOM OF BELGIUM.

### INTERNATIONAL EXHIBITION OF ANTWERP, 1885.

#### UNDER THE HIGH PATRONAGE OF H. M. KING LEOPOLD II.

*Education, Liberal Arts, and Industrial Arts—Industry—Navigation and Commerce—Fishes and Pisciculture—Electricity—Agriculture, Forestry, and Horticulture.*

#### GENERAL REGULATIONS.

##### CHAPTER I.

##### *General Dispositions.*

ARTICLE 1.—The International Exhibition of Antwerp, placed under the high patronage of His Majesty the King of the Belgians, will receive the productions of the Industry, Agriculture, Forestry, and Horticulture of all nations. It will comprise special maritime and electrical sections.

Competitive shows of living animals, plants, flowers, fruits, and vegetables are projected. These shows, if they take place, will be the object of special regulations.



ART. 2.—The Exhibition will be established on the ground-plot of the new town, near the Southern Railway station and the maritime establishments. It will occupy a superficies of about 220,000 square metres (22 hectares or 54½ acres), comprising part of the Lighterage Dock allotted to the Maritime Exhibition.

The Halls of Industry and the Gallery of Machinery will be built of iron and covered with zinc. Constructions of all kinds will be erected in the park, which will receive shrubs, plants, and productions not intended to figure in the principal halls.

ART. 3.—The Exhibition will be opened on the 2nd May 1885, and will have a duration of at least five months.

ART. 4.—A committee, placed under the honorary presidency of the Burgomaster of the Town of Antwerp, constitutes the executive and superior power for the organisation and direction of the Exhibition.

All financial questions belong exclusively to the department of the Administrative Board of the Managing Company.

ART. 5.—There will be instituted committees of groups, and local committees. Special regulations will determine the duties and functions of these committees.

ART. 6.—Foreign Governments are invited to be officially represented by Commissions. These Commissions will enter, as soon as possible, into correspondence with the Executive Committee, and will be represented there by a Commissioner entrusted with the discharge of all questions interesting their countrymen; notably those relating to the division of the space reserved to their respective countries, and the mode of installation of each national section.

Foreign exhibitors can correspond with the Executive Committee only through their respective Commissions, or the deputies of these latter. Nevertheless, foreigners not represented by Commissions or official deputies of their respective countries may correspond directly with the Executive Committee. This latter will furnish the necessary information to the Foreign Commissions or their deputies: it will communicate to them the regulations to be complied with.

ART. 7.—Exchanges of space between one country and another can only take place by the intermedium of the Executive Committee.

ART. 8.—The products will be divided into sections, groups, and classes, according to a system of general classification annexed to the present rules (Annex No. 1). This document gives the summary enumeration of the products of each class. This classification will serve as a base for the division of the products in each compartment attributed to the Exhibitors of one and the same nation.

ART. 9.—The Executive Committee will draw up an official, methodical, and complete catalogue of the productions of all nations, giving the name of the exhibitors, the line of industry, the place of production, and objects shown.

The necessary intelligence for the composition of this catalogue will be furnished by the exhibitors on their own responsibility. To this effect a special formula is joined to the present rules (Annex No. 2).

ART. 10.—The necessary measures will be taken by the Government to protect in Belgium, inventions susceptible of being patented, industrial designs and models, as well as trade marks figuring at the Exhibition.

The officers of the service of supervision will receive orders to prevent the drawing, copying, measuring, photographing, reproducing by modelling or moulding, etc., of any of the objects exhibited without the written authorisation of the exhibitor. The Executive Committee reserves to itself the right of authorising the reproduction of general views.

ART. 11.—All advertisements, printed or other documents intended to be stuck up or distributed within the enclosure of the Exhibition, will first have to be authorised and approved by the Executive Committee. This authorisation is liable to be withdrawn at any time.

The Executive Committee regulates likewise all questions regarding the size and fixing of signboards.

ART. 12.—No article exhibited is allowed to be withdrawn before the close of the Exhibition without a special and written authority of the Executive Committee. Arrangements will be made by the Committee with exhibitors of objects of great value or products susceptible of deterioration.

ART. 13.—Belgian and foreign exhibitors will have to pay a ground-rent for the space their products occupy in the Exhibition. The particulars as to the terms of this location will be found under Chapter II of the present regulations.

ART. 14.—The floors of the halls will be able to support a weight of 500 kilos (1½ ton), and even 1,500 kilos (1½ tons) per square yard in certain places: they may be modified, removed or consolidated for the requirements of installations only in accordance with the Executive Committee and at the cost of the exhibitors. The partitions erected according to the annexed sketch will be furnished gratis to exhibitors.

ART. 15.—The Managing Company undertakes the general decoration of the halls in the Exhibition. All particular and special decorations will be at the charge of the exhibitors, subject to the approval of the Executive Committee.

ART. 16.—Goods will be carried on the lines of Belgian State Railway at the price and terms of the special tariff No. 10: Exhibits remaining unsold at the close of the Exhibition will be carried free of charge on the same lines.

Steps will be taken to arrange terms with the private lines and foreign Companies in connection with the Belgian Railways.

Most of the regular Steam Navigation Lines consent to reductions of their freights.

ART. 17.—The Managing Company undertakes gratis the management of all packages, delivered not later than the 15th April 1885, and the weight of which does not exceed 1 1/2 tons.

This management of goods comprises :—

- |   |                                |
|---|--------------------------------|
| (a) Receiving them at the station or at the wharf.                  |                                |
| (b) The unloading or landing.                                       |                                |
| (c) The removing ... ..   | } Of empty cases and wrappers. |
| (d) The warehousing for the whole duration of the Exhibition ... .. |                                |
| (e) The bringing back ... ..  |                                |
| (f) The cartage of repacked packages                                |                                |
| (g) The reloading on the cars or the replacing on the wharf.        |                                |

The Exhibitors will comply with the instructions given by the Executive Committee for facilitating the cartage of empty cases, etc.

The Exhibitors will have to effect at their own cost the unpacking, installing, displaying, and repacking of their products, as well as the repairs of cases, etc. The packing up will take place in the order indicated by the Executive Committee, and will have to be effected before the 31st December 1885 : the dismantling of the machines will have to be terminated so as to permit of their being taken away at the latest on the 1st February 1886. After these dates the products not packed or not dismantled will be taken away by law and warehoused at the cost, peril, and risk of the Exhibitors. The articles not withdrawn on the 1st March 1886 will be sold by public auction, and the Managing Company will have the right to dispose of the proceeds.

Regarding packages or goods more than 1 1/2 tons in weight, the Exhibitor will have to communicate with the Executive Committee, who will fix a moderate tax for their unloading and reloading, &c.

ART. 18.—The Managing Company will exercise the greatest care in the unloading and reloading, but it is expressly stipulated that it will in no case be responsible for any losses, damages, averages, etc., the packages or their contents may suffer.

ART. 19.—The Exhibitors, individually or collectively, will have to bear all special charges, such as hire of furniture, installation, decoration, displaying, maintaining and cleaning of the products foundations, mounting, motive power, steam, water, gas, dismantling ; insurance ; plantations and special earthworks connected with it ; custom-house or excise duties for articles to be consumed, &c., &c.

The Exhibitors will have to submit to the approbation of the Executive Committee the plan of glazing, show cases, etc., of which they wish to make use : the annex No. 6 gives the types of those generally employed.

The exhibitors will be held responsible for any damages their installations may cause to the floor, partitions, &c., of which they make use.

## CHAPTER II.

### Special Dispositions.

ART. 20.—The following objects will not be admitted to the Exhibition : Explosive, fulminating matters, and in general all dangerous matter. Alcohols and spirits, oils and essences, corrosive matters, and in general the substances capable of damaging other products or incommodating the public will only be received in solid, appropriate vases, limited in size. Primings, pieces of fireworks, matches, and other analogous articles can be received only as imitations and without any addition of inflammable matter. The exhibitors of unpleasant or insalubrious products will have at any time to comply with the measures of security prescribed to them.

The Executive Committee reserves to itself the absolute right of causing to be withdrawn the products of any origin which, by their nature or aspect, may appear to them prejudicial or incompatible with the purpose or the decorum of the Exhibition.

ART. 21.—The demands of admission will have to be inscribed on one of the formulas annexed to the present rules (Annex 3, 4, and 5).

ART. 22.—These demands, duly signed and prepaid, will have to be addressed under envelope to the Executive Committee, 89, Avenue des Arts, Antwerp, at the very latest—on 1st July 1884 by the exhibitors of Belgium, England, and the European Continent ; on 1st September 1884 by the Exhibitors from beyond the Ocean and the Colonies.

ART. 23.—The space rental of the sites, inclusive of the general decoration, unloading and reloading, will be fixed on the following bases, according to the space occupied by the products :—

### I.—HALLS OF INDUSTRY.

#### Sites non-isolated.

On the ground	{	(a) The depth not exceeding 1 m. (1 yard 3 1/3 inches) and the height not exceeding 3 m.—		
		Per running metre frontage ... ..	Fr. 70=	(£2-16.)
		(b) The depth exceeding 1 m. and the height not exceeding 3 m.—		
		Per square metre horizontal surface ... ..	70=	(£2-16.)

On partition { (c) The height not exceeding 3 m.—  
or wall. { Per running metre frontage ... Fr. 70 = (£2-16.)  
No site to be calculated at less than fr. 70 or £2-16.

*Isolated sites.*

(a) Measured on the largest dimension, the smallest under 1 m.—  
Per running metre frontage ... Fr. 150 = (£6.)

(b) Both dimensions exceeding 1 m.—  
Per square metre horizontal surface ... „ 150 = (£6.)  
No isolated site to be let under fr. 150 or £6.

In the *Central Galleries* the price of isolated and non-isolated sites will be augmented by 25 per cent.

The tax for *saloons or sites with a frontage to the Central Galleries* will be, on the depth of 5 m., augmented by 15 per cent.

All the surfaces will be calculated on the large square.

For *non-isolated sites* of more than 3 m., the surplus of height to 7 m. will be taxed at the rate of 30 fr. or £1-4.

per metre frontage: for *isolated sites* the tax will be calculated according to the largest side of the ground-plot.

The plots will be measured at the largest dimensions above the floor.

The partitions will have a maximum height of 5 metres. The installations or isolated show-cases may, in certain parts of the hall, attain the height of 10 m.

II.—GALLERY OF MACHINES.

*Machines and diverse installations of any height.*

(a) For depths less than 1 m.—  
Per metre running frontage ... Fr. 70 = (£2-16.)

(b) For depths exceeding 1 m.—  
Per square metre horizontal surface ... „ 70 = (£2-16.)

No site of this category to be calculated at less than fr. 70 or £2-16.

For all *machines in motion*, getting their motive power from steam, water, gas, or the general transmission, the above prices will be reduced by 50 per cent. This reduction will only be granted if the machines work at least four days a week and five hours a day.

The installations will be measured at the largest dimensions above the floor.

III.—MARITIME INSTALLATIONS.—GARDENS.—SHEDS IN THE GARDENS.

*For sites of any height.*

(a) The depth not exceeding 1 m.—  
Per running metre frontage ... Fr. 30 = (£1-4.)

(b) The depth exceeding 1 m.—  
Per square metre horizontal surface ... „ 30 = (£1-4.)

No site of this category to be calculated at less than fr. 30 or £1-4.

The installations will be measured at the largest dimensions above the ground.

The charge for the sites under sheds will be augmented by 50 per cent.

The maritime installations will be measured by the square, taking the largest dimension of the midship-frame as well as the length occupied.

The Managing Company will make private contracts with exhibitors of flowers, shrubs, species of woods, lawns, etc.

The charges for space will be collected by the agency of the Managing Company, and will be payable at the following dates:—

On the 15th of September 1884 by the exhibitors of Belgium, England, and the European Continent.

On the 15th of December 1884 by the Trans-Oceanic and Colonial exhibitors.

ART. 24.—The Executive Committee will decide on the demands of admission, and the exhibitors can forward their products only after receipt of their certificate of admission. The exhibitor who has not installed his products before the 20th April 1885 will lose all right to his site: the certificate of admission will be considered null and void, and the sum paid to the Managing Company forfeited without any judicial or extra-judicial formality.

ART. 25.—The Exhibitors requiring steam, water, or gas will have to mention on the bulletin of demand for admission the quantity required by them per hour. Those who require motive power will have to indicate the speed of their propellers, and the power they wish to dispose of. The motive power will be granted in the gallery of machines on a special tariff: it will be taken from the general horizontal shaft of transmission. The fitting up of any intermediate transmission, as well as the foundations and all costs of particular installation will be at the exhibitor's own expense. Steam, water, gas will be furnished on the terms of the tariff regulating this object.



Special rules will fix the terms regarding the fitting up and working of machines. The special regulations of the Gallery of Machines will be sent to the exhibitors on their request.

ART. 26.—There will be instituted an International Jury of rewards. This Jury will operate as soon as possible after the opening of the Exhibition. The rewards will consist only of diplomas—of honor, gold medals, silver medals, bronze medals, and honorable mentions.

A bronze medal will accompany each diploma.

The distribution of rewards will take place before the close of the Exhibition. This solemnity will be surrounded with the greatest splendour, and the greatest publicity will be given to the programme of rewards.

ART. 27.—The Belgian Government has authorised the organisation of a lottery. The prizes will be exclusively chosen from among the objects exhibited.

### CHAPTER III.

#### *Administration and Police.*

ART. 28.—The products must be exhibited under the name of the person who signed the demand for admission: this condition is indispensable.

ART. 29.—The exhibitors are authorised to inscribe, after their name or firm, the names of any co-operators who have contributed to the merit of the products exhibited.

ART. 30.—The exhibitors are requested to mark the selling-price of the articles exhibited, in order to facilitate the appreciation of the Jury as well as to inform the public.

ART. 31.—Measures will be taken to protect the products exhibited against any kind of damage, but the Managing Company will in no way be responsible for accidents, fires, thefts, depredations or damages, whatever be the cause or importance.

ART. 32.—A general supervision will be established against robberies and embezzlements, without the Managing Company assuming any responsibility under this head.

ART. 33.—The Foreign Commissions and Exhibitors will be at liberty to employ watchmen and special attendants, to be approved by the Executive Committee. They will have distinctive emblems, and will under any circumstance be able to claim the assistance of the agents appointed by the Executive Committee, and that of the Police.

ART. 34.—Articles of current sale, as well as those made or manufactured on the place, may, on payment of a tax to be agreed upon, be sold and delivered on the spot. A special agreement will regulate the right of selling drinks to be consumed.

ART. 35.—One Entrance Ticket will be delivered gratis to each exhibitor or to the representative of the firm. This ticket is personal: it will be withdrawn when it is found to have been lent or transferred, the whole without prejudice to any proceedings at law. The ticket will have to be signed by the exhibitor, bear his "carte de visite" and the number of the group and of the class to which he belongs: it will besides be stamped by the Executive Committee.

ART. 36.—The Exhibition is constituted a Government Warehouse, and the Exhibitors will have to comply with the regulations made by the Belgian Government.

ART. 37.—Ulterior instructions will determine in due time the mode of forwarding, receiving, unloading and re-loading, installing and returning the goods, the mode of forming and proceeding of the International Jury of awards, as well as the system of entries into the Exhibition.

ART. 38.—The exhibitors and others admitted to build or to establish themselves in the park of the Exhibition will have to comply with the conditions imposed upon them by the Executive Committee. Special conditions of contract will regulate the granting of licenses to restaurants, refreshment bars, tobacco shops, eating-houses, &c., &c.

### CHAPTER IV.

#### *Special Exhibitions—Congresses and Lectures.*

ART. 39.—Supplementary Exhibitions, competitions, congresses, lectures, readings, &c., will be organised during the period of the Exhibition.

ART. 40.—The Executive Committee will convoke International Congresses, where questions of a nature to interest exchanges and business transactions will be treated: it will examine and patronize all projects the realisation of which might increase the interest and success of the Exhibition.

ART. 41.—All communications respecting the Exhibition must be addressed by prepaid letter to the Executive Committee of the International Exhibition of Antwerp, Avenue des Arts, 89, Antwerp.

#### *Special Disposition.*

ART. 42.—Belgians and Foreigners, by accepting the position of exhibitors, agree to adhere to the present general rules, special regulations, and any measures of order which may ulteriorly be promulgated.

*Adopted in the Session of the Council of Administration.*

*Antwerp, 24th April 1884.*

*The Administrators,*

EUGENE MEEUS—VICTOR LYNEN.

*N.B.*—This edition is a faithful translation of the original documents, to which, however, the Managing Company begs to refer in case of any doubtful interpretation.



## INTERNATIONAL EXHIBITION OF ANTWERP, 1885.

OPENING 2ND MAY 1885.

*Synopsis of the Classification.*

## SECTION I.

EDUCATION AND INSTRUCTION—APPARATUS AND PROCESSES OF THE LIBERAL ARTS—FURNITURE AND ACCESSORIES—TEXTILE FABRICS, CLOTHING AND ACCESSORIES.

GROUP I.—*Education and Instruction.—Apparatus and processes of the Liberal Arts.*

- Class 1. Education of children; Primary Instruction.—Instruction of adults.
- " 2. Organization and appliances for secondary instruction.
- " 3. Organization, methods and appliances for superior instruction.
- " 4. Printing and Books.
- " 5. Stationery, Book-binding; Painting and Drawing material.
- " 6. General application of the art of drawing and modelling.
- " 7. Photographic proofs and apparatus.
- " 8. Musical Instruments.
- " 9. Medicine, Hygiene and Public Relief.
- " 10. Mathematical and Philosophical Instruments.
- " 11. Maps, Geographical and Cosmographical apparatus.

GROUP II.—*Furniture and accessories.*

- Class 12. Cheap and Fancy furniture.
- " 13. Upholsterers' and Decorators' work.
- " 14. Crystal, Glass and Stained Glass.
- " 15. Pottery.
- " 16. Carpets, Tapestry, and other stuffs for furniture.
- " 17. Paper Hangings.
- " 18. Cutlery and Hardware.
- " 19. Goldsmiths' and Silversmiths' work.
- " 20. Bronzes, various Art Castings and Repoussé work.
- " 21. Clocks and Watches.
- " 22. Apparatus and Processes for Heating and Lighting.
- " 23. Perfumery.
- " 24. Leather work, Fancy articles and Basket work.

GROUP III.—*Textile Fabrics, Clothing and accessories.*

- Class 25. Cotton Threads and Fabrics.
- " 26. Threads and Fabrics of Flax, Hemp, &c.
- " 27. Worsted Yarns and Fabrics.
- " 28. Woollen Yarns and Fabrics.
- " 29. Silk and Silk Fabrics.
- " 30. Shawls.
- Class 31. Lace, Net, Embroidery and Trimmings.
- " 32. Hosiery and Under-clothings, and accessories of Clothing.
- " 33. Clothing of both sexes.
- " 34. Jewellery and Precious Stones.
- " 35. Portable Weapons and Hunting and Shooting Equipments.
- " 36. Travelling Apparatus and Camp Equipage.
- " 37. Toys.

## SECTION II.

## INDUSTRY.

GROUP IV.—*Mining Industries, Raw and Manufactured Products.*

- Class 38. Mining and Metallurgy.
- " 39. Products of the Cultivation of Forests and of the Trades appertaining thereto.
- " 40. Products of Hunting, Shooting, Fishing, and Spontaneous Products, Machines and Instruments connected therewith.
- " 41. Agricultural Products not used for Food.
- " 42. Chemical and Pharmaceutical Products.
- " 43. Chemical Processes for Bleaching, Dyeing, Printing and Dressing.
- " 44. Leather and Skins.

GROUP V.—*Machinery Apparatus and Processes used in the Mechanical Manufactures.*

- Class 45. Apparatus and Processes of the Art of Mining and Metallurgy.
- " 46. Agricultural Implements and Processes used in the cultivation of Fields and Forest.

- Class 47. Apparatus and Processes used in Agricultural works, and in works for the preparation of Food.
- „ 48. Apparatus used in Chemistry, Pharmacy and Tanning.
- „ 49. Machines and Apparatus in general.
- „ 50. Machine Tools.
- „ 51. Apparatus and Processes used in Spinning and Rope-making.
- „ 52. Apparatus and Processes used in Weaving.
- „ 53. Apparatus and Processes for Sewing and for making up Clothing.
- „ 54. Apparatus and Processes used in the Manufacture of Furniture and Objects for Dwellings.
- „ 55. Apparatus and Processes used in Paper-making, Dyeing and Printing.
- „ 56. Machines, Instruments and Processes used in various works.
- „ 57. Carriages and Wheelwrights' work.
- „ 58. Harness and Saddlery.
- „ 59. Railway Apparatus and Appliances.
- „ 60. Telegraphic Apparatus and Processes for Signalling.
- „ 61. Apparatus and Processes of Civil Engineering, Public Works, and Architecture.
- „ 62. Materials and Apparatus for Military purposes.

GROUP VI.—*Alimentary Products.*

- Class 63. Cereals, Farinaceous Products, and Products derived from them.
- „ 64. Bread and Pastry.
- „ 65. Fatty substances used as Food. • Milk and Eggs.
- „ 66. Meat and Fish.
- „ 67. Vegetables and Fruit.
- „ 68. Condiments and Stimulants, Sugar and Confectionery.
- „ 69. Fermented Drinks and other Beverages.

SECTION III.

NAVIGATION AND LIFE-SAVING—FISHING AND PISCICULTURE—IMPORTATION AND EXPORTATION TRADE.

GROUP VII.—*Navigation and Life-saving.*

- Class 70. Vessels of all kinds : Apparatus, Fittings, Furniture, &c.
- „ 71. Apparatus for Life-saving, Lighting, &c., of the Coast.
- „ 72. Apparatus used in Fires and other accidents.

GROUP VIII.—*Fisheries and Pisciculture.*

- Class 73. Vessels and Apparatus used for Fishing in High Sea.
- „ 74. Angling and Fishing in Rivers.
- „ 75. Equipments and economical condition of Fisherman.
- „ 76. Trade and Economy.
- „ 77. Fresh and Saltwater.
- „ 78. History and Bibliography :

- I.—Natural History Aquariums.
- II.—Fisheries, Legislation, Trade.

GROUP IX.—*Commerce of Importation and Exportation. Exports for the use of the Natives in countries out of Europe. Commercial Museums.*

- Class 79. Biography.—Legislature.
- „ 80. Imports.
- „ 81. Exports.
- „ 82. Exports for the use of the Natives of non-civilised countries.
- „ 83. Commercial Museums.

SECTION IV.

ELECTRICITY.

GROUP X.—*General Mechanism.*

- Class 84. Boilers, Steam-engines, Gas-engines, Hydraulic motors.

GROUP XI.—*Production of electric currents.*

- Class 85. Hydro-electrical Piles. Thermo-electrical Piles. Secondary Piles.
- „ 86. Machines. Magneto-electrical and dynamo-electrical machines. Bobbins of induction.

GROUP XII.—*Electrical Conductors.*

- Class 87. Cables, wires and accessories.
- „ 88. Lightning conductors.

GROUP XIII.—*Study and Tuition of Electrical Sciences. Scientific Application.*

- Class 89. Instruments employed in experiments of demonstration, such as—electrical machines with friction or induction, condensators, electrophorus; apparatus for electro-dynamic or electro-magnetic experiments; apparatus for the study of induced currents, &c.

- Class 90. Instruments of measurements: mariners' compasses, rheometers' galvanometers, electro-dynamometers, standards of capacity, standards of resistance, drums of resistance, rheostats, electrometers, &c.
- " 91. Electricity applied to Astronomy, Geodesy, Meteorology.
- " 92. Electricity applied to Machenics, Ballistics, Physics, Chemistry.
- " 93. Electricity applied to biological sciences. Medical Electricity.
- " 94. History and tuition of electrical sciences. Bibliography. Drawings, models, &c. Retrospective collections of apparatus.

GROUP XIV.—*Transmission of signals and speech by Electricity.*

- Class 95. Telegraphs.
- " 96. Telephones, microphones and photophones.
- " 97. Electricity applied to Railways.
- " 98. Electrical signals for diverse usages. Indicators or notices of levels, pressure, temperature, &c. House telegraphs. Electric Clocks.

GROUP XV.—*Electrical Currents applied to Industry. Diverse Applications.*

- Class 99. Electric lights. Photometers.
- " 100. Electric motors. Transmission of power.
- " 101. Electrotypy and galvanoplastic.
- " 102. Diverse Applications.

SECTION V.

AGRICULTURE—HORTICULTURE—SPECIAL COMPETITIVE SHOWS.

GROUP XVI.—*Agriculture.*

- Class 103. Specimens of rural and farming implements.
- " 104. Horses, donkeys, mules, &c.
- " 105. Oxen and buffaloes, &c.
- " 106. Sheep, goats.
- " 107. Hogs, rabbits, &c.
- " 108. Poultry.
- " 109. Dogs.
- " 110. Useful and noxious insects.

GROUP XVII.—*Horticulture.*

- Class 111. Hothouses and Horticultural Implements.
- " 112. Ornamental plants and flowers.
- " 113. Vegetables.
- " 114. Fruit and Fruit-trees.
- " 115. Seeds and Plants of wood species.
- " 116. Greenhouse plants.

Special Competitive Shows.\*

Bovine, ovine, porcine species; rabbits, poultry.  
Dogs.  
Horses and asses  
Azaleas, coniferous plants, early flowers, ananas.  
Rhododendrons, vegetables, early grapes.  
Orchideas, pelargoniums, early fruits.  
Roses, palm trees, exotic fruits.  
Cherries, strawberries, hothouse plants.  
Fuchsias, cornflags, holly-hocks, stone and kernel fruit.  
Aroides and ferns, peaches and figs.  
Dahlias, China asters, fruit-trees.  
Fruit of all kind.  
Vegetables, lawns, nosegays.

\* Competitive shows of living animals, plants, flowers, fruits, vegetables are contemplated. These shows, if they take place, will be the object of special regulations (General Rules, Article 1).

ANNEX No. 2.

INTERNATIONAL EXHIBITION OF ANTWERP.

UNDER THE GRACIOUS PATRONAGE OF H. M. THE KING OF THE BELGIANS.

OPENING 2ND MAY 1885.

OFFICIAL CATALOGUE.

REGULATIONS.

ART. I.—The catalogue will appear in two editions: the one in French, the other in Flemish: printed in the characters and the composition of the model given below. No stereotype will be admitted.

ART. II.—Every Exhibitor has the right, for each group in which he exhibits, to four lines of impression. The name or the firm and the domicile will be printed in large characters,—the nomenclature of the exhibited products, medals and rewards obtained, in small characters.

ART. III.—Each supplementary line will be printed at the price of the following tariff:—

The first line	...	... at fr. 1.*
The second line	...	... " 2.
The third line	...	... " 3.
The fourth line	...	... " 4.
The fifth line	...	... " 5.
Each following line	...	... " 5.

Every line consists on an average of 40 letters, figures and intervals (the dashes count for five letters).

Every incomplete line counts for a whole one.

ART. IV.—The annexed formula, duly filled up and signed, will have to be sent back at the same time as the demand of admission, to the Executive Committee of the Exhibition, 89, Avenue des Arts, Antwerp. The Managing Company declines every responsibility with regard to the text furnished by the exhibitors.

ART. V.—The Executive Committee reserves itself the right of modifying the wording, previous advice having been given to the exhibitor.

ART. VI.—Special arrangements may be made with collectivities of exhibitors as to the number of gratuitous lines foreseen in Art. 2.

SPECIMEN OF APPLICATION OF THE TARIFF.

GROUP 5.		45	No. 333-343.
4 lines gratis	333. IDES, CHAPPUIS & Co., Courte rue Blanche, 43, Rouen.	338. CARINGE & Co., Rue de la Cathé- drale, Antwerp.	4 lines Gratis Fr. 1 " 2 " 3 " 4 " 5 " 5 Fr. 25 to be paid
	Sounding boards, prepared for piano and for violon bottoms.	House founded in 1840.—Piano with crossed strings (mod. 2 of the price-current.)	
		Piano with vertical strings and bare of	
		wrought iron, seven octaves $\frac{1}{2}$ . Piano with	
		oblique strings, large size of current sale.	" 3
		Piano rosewood 7 octaves, $\frac{1}{2}$ , incrustated.	" 4
		Piano with crossed strings carved, oak, style.	" 5
		Renaissance.	" 5
		Special construction for tropical countries.	" 5

\* Fr. 1 = 10<sup>d</sup>.  
Fr. 5 = 4 s.

No. OF ORDER.

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Nomenclature complete of the pro- ducts, &c., &c. with quotation of the prices opposite each article.	{	_____ _____ _____ _____ _____ _____ _____ _____
Diplomas, medals, rewards, distinc- tions obtained.	{	_____ _____

Signature. \_\_\_\_\_



## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 9th August 1884.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date
<b>BENGAL.</b>			
<i>Western Districts.</i>			
BURDWAN DIV.	1 Burdwan, Aug. 9 '84	2.02	Weather—dry for the season. Rain still very insufficient and transplanting proceeds very slowly. Price of rice varies from 12 to 15 seers per rupee.
	Culna	0.49	
	Catwa	0.79	
	Raneegunge	1.24	
	2 Bankoora, " 9	2.65	Weather—hot, with occasional showers. Transplanting of <i>amun</i> seedlings retarded for want of sufficient rain. Rain sadly required in many parts of the district. Price of rice stationary. Public health good.
	Bishenpore	2.00	
	Maliara	.99	
	Khattra	Not received.	
	3 Beerbhoom, " 9	1.58	Weather—sultry; slight rain fell. Transplanting of paddy very backward for want of rain, especially in Rampore Haut. Prospects of crops far from good. Price of rice rising. General health satisfactory.
	Rampore Haut	1.17	
PRESIDENCY DIV.	4 Midnapore, " 9	1.88	Weather—seasonable. Prospects of crops generally good except in the north of the district, where more rain is wanted. Public health fair, but fever of usual type is beginning to show itself in the Ghatal sub-division.
	5 Hooghly, " 9	2.79	Weather—showery. Transplanting has been carried on vigorously during the week, but much more rain is still required. The rice crop is late, and unless the rains end late it will be a scanty one. Prices steady. Public health better than usual for the season of the year.
	Jehanabad	4.24	
	Serampore	Not received.	
	Howrah, " 1	1.19	Weather—cool with south-westerly winds and almost continuous rain. Want of sufficient rain is still felt in the south of the district, and transplanting of late rice impeded. Jute being cut. Sugarcane thriving. Public health good.
	Oolooberiah	4.02	
	<i>Central Districts.</i>		
	6 24 Pargunnahs Aug. 11 '84	1.38	Weather—seasonable. Prospects of standing crops good. Transplanting of <i>amun</i> rapidly going on, but rain wanted in the Baraset and Bussirhat sub-divisions. Public health good. Cattle-disease abating.
	7 Nuddea, " 9	.33	Weather—cloudy and showery. More rain wanted for transplanting of <i>amun</i> , and in the north of the district for <i>aus</i> crops also. Fever continues.
	Kooshtea	.76	
	Meherpore	.86	
	Choondanga	1.13	
	Ranaghat	.90	
RAJSHAHY DIV.	8 Khoolna, " 9	1.85	Weather—hot. Transplanting of <i>amun</i> in progress. Prospects of crops good. Public health fair.
	9 Jessore, " 9	1.78	Weather—hot, with slight rain in the latter part of the week. Harvesting of <i>aus</i> crop continues; prospects fair. Rain wanted for <i>amun</i> crop. Deaths from fever reported from Bongong.
	Jhenida	0.66	
	Magoorah	0.65	
	Narail	1.09	
	Bongong	.71	
	10 Moorshedabad, " 9	0.07	Weather—hot and dry. <i>Amun</i> suffering much from want of rain: out-look gloomy. Public health good.
	Lalbagh	0.24	
	Kandi	0.29	
	Jungipore	1.12	
RAJSHAHY DIV.	11 Dinagepore, Aug. 8 '84	.84	Weather—hot, with insufficient rain. More rain much wanted for transplanting <i>amun</i> ; other crops good. Price of rice ranges from 12 to 15 seers per rupee.
	12 Rajshahye, " 9	.40	Weather—very hot. Outturn of <i>aus</i> crop in the south of the district bad for want of sufficient rain. More rain urgently wanted for <i>amun</i> .
	Natore	.40	
	Nowgong	.70	
	13 Rungpore, " 9	.17	Weather—very hot. Rain much wanted. Transplanting of <i>amun</i> has been deterred in some places for want of rain. Harvesting of <i>aus</i> and jute continues. Malarious fever still prevailing at head-quarters and in some parts of the Gaibanda sub-division.
	Nilphamari	.07	
	Kurigram	NH	
	Gaibanda	.39	
RAJSHAHY DIV.	14 Bogra, " 9	.54	Weather—very little drizzling rain with much heat. <i>Aus</i> and jute being reaped. Transplanting of <i>amun</i> at a stand-still for want of rain. Fever and cholera here and there; otherwise public health fair.
	15 Pubna, " 7	0.97	Weather—close and hot with light showers of rain. Harvesting of <i>aus</i> crop nearly over with 10-annas outturn only. Prospects of <i>amun</i> fair. Rivers rising. Rain much wanted.
	16 Darjeeling, " 9	.8	Weather—wet and warm. Prospects of crops good. Late heavy rain improved prospects of tea. Several cases of cholera and cattle-disease reported.
	17 Julpigoree, " 9	5.61	Weather—cool during the early part of the week, but it has again become hot. More rain urgently wanted. Transplanting of <i>amun</i> at a stand-still in the Alipur sub-division. In other parts of the district it is progressing. Two cases of cholera reported from Julpigoree; the disease continues in a mild form in the Mynagoree and Keranti thanas. Prices continue stationary.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BENGAL.— <i>conold.</i>			
<i>Eastern Districts.</i>			
Dacca Divn.	18 Dacca, Aug. 9 '84	1.79	Weather—hot and cloudy. Early paddy and jute being cut. Water going down. More rain needed for <i>amun</i> crop. Prospects of crops fair. Public health good.
	Manickgunge ...	.94	
	Moonsheegunge ...	1.59	
	Naraingunge ...	1.59	
	19 Furreedpore, " 9 "	.91	Weather—sultry. More rain wanted. State and prospects of crops in the north and centre of the district good; in the south less favourable than before. <i>Aus</i> being reaped, with satisfactory outturn. Public health fair.
	Goalundo ...	1.25	
	Madaripore ...	1.27	
	20 Backergunge, " 7 "	1.26	Weather—seasonable. More rain wanted. Prospects of <i>aus</i> crop good. Transplanting of <i>amun</i> going on. Public health good. A few cases of cattle-disease reported.
	21 Mymensingh, " 8 "	1.24	Weather—cloudy and hot. Prospects of crops good.
	Jamalpore ...	.70	
CHITTAGONG DIVN.	Kishoregunge ...	.13	
	Attia ...	1.01	
	Netrokona ...	1.07	
	22 Chittagong, Aug. 11 '84	3.21	Weather—hot. More rain wanted. Prospects of crops still fair. Transplanting of <i>amun</i> commenced. Prices stationary. Cholera and cattle-disease continue.
	23 Noakholly, " 8 "	5.13	Weather—cloudy, with light showers of rain at intervals. <i>Aus</i> paddy being reaped. Transplanting of <i>amun</i> continues. Rain wanted in the Fenny sub-division. Cattle-disease prevalent in the Chagalnaya thana. Sporadic cases of cholera and small-pox reported.
	Fenny ...	2.56	
	24 Tipperah, " 8 "	2.48	Weather—fair, with light showers of rain. Jute being harvested. Rainfall very insufficient. Crops on high lands suffering from want of rain. Public health good.
	Brahmunberiah ...	.65	
	Chandpore ...	1.80	
	25 Chittagong Hill Tracts, " 6 "	3.03	Weather—sunny and cloudy, with occasional showers of rain. The recent rain has improved prospects of <i>jum</i> crops. Transplanting of <i>amun</i> paddy in full swing.
PATNA DIVN.	Hill Tipperah " 6 "	1.90	Weather—waru, with occasional rain. Reaping of <i>aus</i> continues. <i>Amun</i> being transplanted. Prospects of <i>jum</i> crops fair. Public health good.
	26 Patna, Aug. 9 '84	1.37	Weather—hot and cloudy. The recent rain has, to a slight extent, benefited <i>bhadoi</i> , but more is urgently wanted for transplanting of paddy seedlings. There was heavy rain on the morning of the 8th, but the fall was partial and did not extend to the south of the district where it is most wanted. Cholera still reported.
	Behar ...	.19	
	Dinapore ...	0.12	
	27 Gya, " 9 "	1.01	Weather—hot. Heavy clouds, with occasional showers. Prospects of crops bad. <i>Bhadoi</i> crop has suffered much. Transplanting of paddy is going on very slowly and in some places it has stopped. Seedlings drying up. Health fair, though cholera, small-pox, and fever reported from many places.
	Aurangabad ...	0.18	
	Jehanabad ...	1.08	
	Nowada ...	0.99	
	28 Shahabad, " 9 "	.43	Weather—hot and cloudy at intervals. The rain has benefited <i>bhadoi</i> crops, but much more urgently needed both for <i>bhadoi</i> and paddy crops. Showers of rain seem local.
	Buxar ...	1.	
BHAGALPORE DIVN.	Bhabua ...	1.45	
	Sasseram ...	1.02	
	29 Durbhunga, " 9 "	.31	Weather—cool, generally cloudy, east winds prevailing. Rain very badly wanted almost everywhere. <i>Bhadoi</i> crops turning yellow in some places. Transplanting of paddy stopped. Prices stationary. Public health good.
	Tajpur ...	.13	
	Madhubani ...	.78	
	30 Mozufferpore, " 9 "	0.24	Weather—close and hot; sky overcast with clouds. Standing crops beginning to suffer from want of rain. Unless rain falls shortly <i>bhadoi</i> will be short and <i>aghani</i> will be retarded.
	Hajipore ...	0.08	
	Sitamarhi ...	Nil	
	31 Sarun, " 9 "	1.02	Weather—sultry, with passing clouds and occasional drizzling rain. A heavy fall of rain urgently required, especially in the Sewan sub-division. <i>Makai</i> and other <i>bhadoi</i> crops still doing fairly well, but transplanting of paddy is much retarded for want of rain. Manufacture of indigo in progress everywhere, but outturn is disappointing. Prices steady. Public health good.
	Sewan ...	Nil	
BHAGALPORE DIVN.	Gopalgunge ...	.04	
	32 Chumparun Bettiah, " 9 "	Nil	Weather—cloudy, with easterly winds. The continued drought gives cause for serious anxiety regarding outturn of <i>bhadoi</i> crop in the Sudder sub-division. There has been rain in the Betteah sub-division, but more still required there. Public health fair.
	Bettiah ...	2.	
	33 Monghyr, Aug. 9 '84	.65	Weather—sultry and cloudy with occasional light showers of rain. Rain greatly needed for transplanting paddy seedlings, which are injured in some places for want of rain. The Ganges rising rapidly to the injury of <i>bhadoi</i> crops on low lands. Prices steady. Public health good.
	Beguserai ...	.77	
	Jamui ...	.44	
	34 Bhagalpore, " 9 "	.93	Weather—cloudy, with occasional light showers of rain. Want of rain beginning to be badly felt all over the district, both for <i>bhadoi</i> crop and paddy. Transplanting backward. Public health good. Price of rice varies from 12 to 15 seers per rupee.
	35 Purneah, " 9 "	0.29	Weather—cloudy, and hot. Prospects of crops everywhere getting worse for want of rain. Health fair.
	36 Maldah, " 9 "	0.23	Weather—hot and cloudy. Want of rain continues to be much felt, and transplanting of <i>haimanti</i> paddy retarded in consequence. River rising slowly, but remains much lower than is usual at this season. Prospects of <i>bhadoi</i> as yet favourable. Public health good.
	37 Sonthal Pergas, " 9 "	1.26	Weather—cloudy, but very little rain fell generally. The general cry is for heavy rain to enable paddy on high lands to be transplanted. Rainy crops will yield a bumper harvest, but the rice crop, if rain does not fall in sufficient quantity during the next fortnight, will be short.
	Deoghur ...	1.29	
	Rajnchal ...	.70	
	Jamtara ...	1.34	
	Pakour ...	.60	

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
ORISSA.			
ORISSA DIVN.	38 Cuttack, Aug. 8 '84	1.07	Weather—hot and cloudy. <i>Beali</i> in ear, in some places ripening. <i>Sarad</i> being transplanted and weeded. Rain urgently wanted. <i>Sarad</i> crops on low lands in the southern part of the district submerged by late flood and partially damaged. Price of rice almost stationary. Public health generally good.
	39 Pooree, " 7 "	.54	Weather—hot and cloudy. Weeding and transplanting of <i>sarad</i> going on. Re-sowing going on in places where the young plants were destroyed by late floods. Cases of sporadic cholera still reported. Common rice selling at an average price of 22 seers 10 chittacks in the Sudder sub-division, and 24 seers 2 chittacks for the rupee in Khorda sub-division.
	40 Balasore, " 8 "	5.51	Weather—cloudy, with occasional showers of rain. Prospects of crops fair. Price of rice stationary. Public health generally good.
CHOTA NAGPORE.			
South-West Frontier Agency.			
41	Hazaribagh, Aug. 8 '84	2.64	Prospects of <i>bhadoi</i> crops good. Transplanting of paddy is at a stand-still in many places owing to insufficient rain. Prices of food-grains continue high. Small-pox and cholera reported from certain places, otherwise public health good.
42	Lohardugga, " 9 "	3.09	Weather—seasonable. Agricultural operations progressing satisfactorily, but more rain wanted for safety of transplanted rice. Sky overcast and rain expected. <i>Bhadoi</i> crops promise well everywhere. Price of rice shows a slight tendency to rise. Cholera still reported from Palamow on the borders of Gya.
	Palamow (30th July to 5th Aug.)	1.72	
43	Singbhoom, " 8 "	3.96	Weather—seasonable, latterly fine and sunny. Prospects of crops continue favourable. Paddy and all other crops promise well. General health good, with the exception of usual fever.
44	Manbhoom, " 9 "	1.31	A few showers at Purulia. More rain seems to have fallen in the interior. Indian-corn and other autumn crops doing well. Indian-corn especially fine. Green corn beginning to come to market. Transplanting of winter paddy is still retarded for want of rain in parts of district. Coarse rice sold on the 9th instant in the Purulia market at 19½ seers per rupee. Cholera prevalent in Jhalda town, and both cholera and small-pox reported in other parts of the district.
	Govindpore	1.03	
	Burrabazar	3.58	

Published for general information.

CALCUTTA, STATISTICAL DEPT.,  
The 12th August 1884.COLMAN MACAULAY,  
Secy. to the Govt. of Bengal.

STATEMENT SHOWING THE STOCKS OF RICE IN AND AROUND CALCUTTA.

STOCK IN HAND, AS COMPILED ON —													
NAMES OF MARKS.	1st week of August 1883.	1st week of Sept. 1883.	1st week of Oct. 1883.	1st week of Nov. 1883.	1st week of Dec. 1883.	1st week of Jan. 1884.	1st week of Feb. 1884.	1st week of March 1884.	1st week of April 1884.	1st week of May 1884.	1st week of June 1884.	1st week of July 1884.	1st week of August 1884.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Balla ghatta	6,11,000	4,65,800	4,68,000	3,81,000	2,48,000	2,11,000	4,71,500	10,15,000	10,12,000	9,23,000	8,03,000	8,05,000	5,20,500
Doila danga	96,925	1,05,000	75,500	70,100	40,500	47,800	65,200	98,200	85,000	79,200	65,900	60,000	60,000
Chittore, Colabares, Coomergo, Hathoba, and Culp	7,80,700	8,80,800	8,97,700	7,45,500	7,74,000	6,02,200	6,97,700	8,66,750	7,76,800	723,300	7,95,100	8,32,100	7,70,300
Ghik													
Pathariachatta, Patsa, and Jorajaghat.	10,500	11,700	12,500	8,600	8,700	10,000	13,000	10,400	6,400	5,700	6,200	7,600	7,600
Polleguere, Chittah, Kilderpore, and Biconah.	1,02,650	1,14,500	1,20,020	91,200	96,200	80,700	1,22,400	1,50,000	1,47,150	1,31,050	1,20,200	1,30,200	1,54,500
El Minor Bazaar (estimated)	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000
Other retail shops, 5,129 in number (estimated).	2,60,000	2,60,000	2,60,000	2,60,000	2,60,000	2,60,000	2,60,000	2,60,000	2,60,000	2,60,000	2,60,000	2,60,000	2,60,000
Boldyabatty, Nowabganje, Bhuddressur, and Chander-nagore.	12,669	16,887	20,203	18,619	9,175	8,700	10,112	7,712	34,087	13,350	19,105	19,883	83,007
Total	21,00,944	20,92,787	20,93,713	19,10,216	16,78,875	16,50,039	18,68,912	20,50,061	25,03,337	23,71,500	23,08,855	23,43,583	20,14,097
On Railway premises on both sides of this river.	4,508 (on 3rd Sept. 83)	2,048 (on 3rd Sept. 83)	4,014 (on 3rd Sept. 83)	272 (on 3rd Sept. 83)	268 (on 3rd Sept. 83)	1,040 (on 2nd Jan. 84)	2,340 (on 4th Feb. 84)	5,116 (on 3rd March 84)	1,500 (on 3rd April 84)	1,504 (on 3rd May 84)	280 (on 3rd July 84)	292 (on 4th Aug. 84)	2,912 (on 4th Aug. 84)
By Port Commissioners' returns.	17,080 (2nd to 4th Aug. 83)	20,588 (1st to 3rd Sept. 83)	20,284 (2nd to 4th Oct. 1883)	40,101 (2nd to 4th Jan. 84)	34,197 (1st to 3rd Dec. 83)	40,101 (2nd to 4th Jan. 84)	33,411 (2nd to 4th Feb. 84)	25,228 (2nd to 4th March 84)	25,228 (1st to 3rd April 84)	8,251 (1st to 3rd May 84)	8,278 (1st to 3rd June 84)	8,278 (1st to 3rd July 84)	8,278 (1st to 3rd Aug. 1884)
On boats unloaded	81,665 (2nd to 4th Aug. 83)	45,600 (1st to 3rd Sept. 83)	50,211 (2nd to 4th Oct. 1883)	27,599 (1st to 3rd Nov. 1883)	29,000 (1st to 3rd Dec. 1883)	84,180 (2nd to 4th Jan. 84)	1,79,030 (2nd to 4th Feb. 84)	1,00,558 (2nd to 4th March 84)	40,781 (1st to 3rd April 84)	23,074 (1st to 3rd May 84)	13,048 (1st to 3rd June 84)	24,608 (1st to 3rd July 84)	26,475 (1st to 3rd Aug. 1884)
Grand Total of Stocks	21,63,566	21,67,673	21,81,622	19,54,006	17,82,430	16,84,387	20,97,685	27,99,347	26,31,179	24,05,359	23,31,141	23,82,076	21,43,243
Probable stock available for exportation by sea.	11 lakhs.	11 lakhs.	11½ lakhs.	8 lakhs.	6½ lakhs.	6½ lakhs.	10½ lakhs.	17½ lakhs.	12½ lakhs.	13½ lakhs.	12½ lakhs.	12½ lakhs.	11 lakhs.

COLMAN MACAULAY,  
*Secretary to the Govt. of Bengal.*

STATISTICAL DEPARTMENT,  
The 8th August 1884.



## PRICES-CURRENT of Food-grains, Firewood and Salt in the

RETAIL SALE:—QUANTITIES PER RUPEE BY																									
Number.	DISTRICTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULRUSH MILLET CUMBOO, BAJRA.			GRASS MILLET— CHOLEM JOWAR.								
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.						
BENGAL.																									
Western Districts.																									
		S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.
1	Burdwan ...	A	14 8	15 0	16 8	22 8	22 8	20 0	12 4	12 8	17 4	15 12	17 4	22 12	...	...	...	...	...	...	...	...	...	...	...
2	Bankoora ...	B	16 0	16 8	14 12	17 0	18 0	16 0	12 8	12 8	19 0	15 8	16 4	25 0	...	...	...	...	...	...	...	...	...	...	...
3	Peerbhoom ...	C	16 0	15 0	15 0	...	...	...	14 0	13 8	16 8	16 0	16 0	21 0	...	...	...	...	...	...	...	...	...	...	...
4	Midnapore ...	D	14 0	12 0	14 0	20 0	20 0	17 0	14 0	14 0	18 0	18 0	18 0	22 0	...	...	...	...	...	...	...	...	...	...	...
5	Hooghly ...	E	16 0	14 0	13 0	...	...	...	8 0	8 0	9 0	13 0	14 0	15 0	...	...	...	...	...	...	...	...	...	...	...
	Howrah ...		14 0	14 0	13 4	...	...	...	11 4	11 8	13 8	13 8	13 4	17 8	...	...	...	...	...	...	...	...	...	...	...
Central Districts.																									
	Calcutta ...	F	17 12	16 0	14 9	21 5	20 0	18 13	8 14	8 0	10 12	11 6	13 0	16 0	15 0	15 0	20 0	...	...	...	...	...	...	...	...
6	24-Pergunnahs ...	G	14 0	14 8	13 5	17 8	17 8	16 0	8 0	8 0	8 0	13 12	14 8	14 0	...	...	...	...	...	...	...	...	...	...	...
7	Nuddea ...	H	16 12	17 4	14 8	21 5	20 0	...	12 5	12 5	15 4	12 13	13 5	17 4	...	...	...	...	...	...	...	...	...	...	...
8	Khoolna ...	I	...	...	...	...	...	...	13 0	13 0	16 0	18 0	18 0	22 0	...	...	...	...	...	...	...	...	...	...	...
9	Jessore ...	J	16 0	16 0	13 4	...	...	...	13 0	13 0	16 0	16 0	15 0	21 4	...	...	...	...	...	...	...	...	...	...	...
10	Moorshedabad ...	K	18 0	18 0	15 0	...	...	...	12 8	12 8	15 6	13 8	14 8	20 0	...	...	...	...	...	...	...	...	...	...	...
11	Dinapore ...	L	17 8	14 8	16 0	14 0	13 0	17 8	12 0	14 8	16 12	13 8	15 8	19 0	...	...	...	...	...	...	...	...	...	...	...
12	Rajshahye ...	M	18 4	18 4	16 8	31 4	31 4	30 0	12 12	12 0	12 0	15 0	12 12	17 4	...	...	...	...	...	...	...	...	...	...	...
13	Rungpore ...	N	20 0	20 0	18 5	...	...	...	10 12	11 7	13 5	15 4	16 0	21 0	...	...	...	...	...	...	...	...	...	...	...
14	Bogra ...	O	16 8	16 14	15 0	...	...	...	9 12	9 12	12 0	15 12	15 12	21 0	...	...	...	...	...	...	...	...	...	...	...
15	Pabna ...	P	23 4	24 0	18 12	...	...	...	8 4	8 4	8 0	17 4	15 0	19 8	...	...	...	...	...	...	...	...	...	...	...
16	Darjeeling ...	Q	...	9 0	8 0	...	10 0	8 0	5 0	5 0	4 0	11 0	11 0	12 0	...	...	...	...	...	...	...	...	...	...	...
17	Julpigoree ...	R	10 0	10 0	10 0	20 0	20 0	20 0	11 0	11 0	12 8	14 0	14 0	17 0	...	...	...	...	...	...	...	...	...	...	...
Eastern Districts.																									
18	Dacca ...	S	16 0	16 0	12 8	23 0	23 0	23 0	13 0	12 10	16 8	16 0	16 0	22 0	...	...	...	...	...	...	...	...	...	...	...
19	Furreedpore ...	T	20 0	20 0	20 0	34 0	34 0	30 0	14 0	14 0	18 0	16 0	15 0	18 0	...	...	...	...	...	...	...	...	...	...	...
20	Backergunge ...	U	...	...	...	...	...	...	15 0	15 0	19 0	18 0	18 0	21 0	...	...	...	...	...	...	...	...	...	...	...
21	Mymensingh ...	V	12 8	13 0	11 0	...	...	...	12 8	12 0	13 5	17 0	16 0	19 0	...	...	...	...	...	...	...	...	...	...	...

A In the sub-divisions the retail prices of salt per rupee were:—Culna 14 seers, Cutwa 12 seers, and Raneegunge 13½ seers.

B The retail price of salt in the interior ranged from 11 to 16 seers per rupee.

C The retail price of salt in the interior ranged from 11½ to 13½ seers per rupee.

D In the sub-divisions the retail prices of salt per rupee were:—Ghatia 14 seers, Tunlook 11 seers and Contai 12½ seers.

E In the sub-divisions the retail prices of salt per rupee were:—Serampore 13 seers and Jehanabad 13½ seers.

F In the sub-divisions the retail prices of salt per rupee were:—Barasat and Besserhat 15 seers, Diamond Harbour 11 seers and Barrackpore 12½ seers.

G In the sub-divisions the retail prices of salt per rupee were:—Koochit 13 seers, Meherpore 11½ seers, Choodanga 14 seers, and Raughat 12½ seers.

H In the sub-divisions of Sakhira and Bagrihat the retail prices of salt was 11 seers per rupee.

I In the sub-divisions the retail prices of salt per rupee were:—Jhenidah and Naul 12 seers, Bongong 13 seers and Magurah 10½ seers.

J In the sub-divisions the retail prices of salt per rupee were:—Lalbagh 11 seers, and Jungypore and Kaudi 12 seers.

## Districts of Bengal for the Fortnight ending the 31st July 1884.

## THE SEER OF 80 TOLAHS.

THE SEER OF 80 TOLAHS.																								WHOLESALE PRICES PER MAUND OF 40 SEERS			DISTRICTS.						
LESSER MILLET— RAGI OR MURWA AND CHENNA.			MAIZE OR INDIAN- COBN.			GRAM.			FIREWOOD.			SALT.			SALT.																		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.																
S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	S.	Ch.	S.	S.	Ch.	S.	S.	Ch.	Rs. A.	Rs. A.	Rs. A.														
<b>BENGAL.</b>																				<b>Western Districts.</b>													
...	...	...	...	...	...	19	8	20	0	20	4	120	0	120	0	13	5	12	10	3	0	2-15-7	3-0-3	Burdwan.									
...	...	...	24	0	24	0	20	0	17	12	18	0	17	12	240	0	320	0	280	0	12	4	13	0	12	0	3	2	3-1-3	3-3-5	Bankoora.		
...	...	...	...	...	...	19	0	19	0	21	0	160	0	160	0	100	0	12	0	10	8	3-2-6	3-2-6	3-8-3	Beerbhoom.								
...	...	...	...	...	...	16	0	16	0	16	0	155	0	155	0	12	12	12	12	12	0	2	14	2	14	2	14	2	14	2	14	Midnapore.	
...	...	...	...	...	...	18	0	18	0	16	0	120	0	120	0	13	9	13	9	13	9	2	14	2	14	2	14	2	14	2	14	Hooghly.	
...	...	...	...	...	...	18	0	18	0	16	4	80	0	80	0	80	0	13	0	13	0	13	8	3	0	3	0	2	14	2	14	Howrah.	
<b>Central Districts.</b>																				<b>Calcutta.</b>													
...	...	...	...	...	...	21	5	18	10	17	12	100	0	100	0	90	0	...	13	0	14	0	2	12	2	12	2	12	2	12	24-Pargunnahs.		
...	...	...	...	...	...	17	8	17	8	17	8	100	0	90	0	80	0	12	13	12	13	13	5	3	0	3	0	2	14	2	14	Nudda.	
...	...	...	...	...	...	22	15	22	1	20	0	...	...	...	...	11	10	11	10	11	10	3	0	3	0	3	0	3	0	3	0	Khoolua.	
...	...	...	...	...	...	16	0	16	0	16	0	80	0	180	0	180	0	12	0	10	8	3	2	3	2	3	2	3	4	3	4	Jessore.	
...	...	...	...	...	...	22	8	22	8	18	0	120	0	120	0	120	0	10	12	10	12	11	0	3	2	3	2	3	2	3	2	Meershedabad.	
...	...	...	...	...	...	23	0	24	0	23	0	120	0	120	0	120	0	11	9	11	9	11	0	3	3	3	3	3	8	3	8	Dinapore.	
...	...	...	...	...	...	17	0	16	8	19	0	160	0	160	0	160	0	12	0	12	0	11	8	3	4	3	4	3	4	3	4	Rajshahye.	
...	...	...	...	...	...	22	8	22	8	21	0	240	0	240	0	240	0	12	9	12	9	12	0	3	1	3	1	3-2-6	3-2-6	3-2-6	Burgpore.		
...	...	...	...	...	...	17	0	20	0	17	3	100	0	100	0	110	0	10	6	11	15	11	14	3	12	3	4	3-5-3	3-5-3	3-5-3	Bogra.		
...	...	...	...	...	...	19	8	19	11	16	8	60	0	60	0	71	4	12	0	12	0	12	0	3-5-4	3-5-4	3	2	3	2	3	2	Pubna.	
...	...	...	...	...	...	22	8	23	0	18	4	200	0	200	0	200	0	12	6	12	6	12	0	3	2	3	2	3	4	3	4	Darjeeling.	
11	0	11	0	10	0	13	0	13	0	13	0	10	0	8	0	100	0	100	0	128	0	8	0	8	0	8	0	4	8	6	4	8	Julpigore.
...	...	...	...	...	...	...	...	16	0	128	0	128	0	128	0	12	4	12	4	11	0	3	4	3	4	3	4	3	6	3	6	<b>Eastern Districts.</b>	
...	...	...	...	...	...	19	0	19	0	17	4	80	0	90	0	110	0	13	0	12	10	12	4	3-1-6	3	2	3	4	3	4	Dacca.		
...	...	...	...	...	...	17	0	17	0	16	0	120	0	120	0	120	0	12	0	12	0	11	8	3	2	3	2	3	7	3	7	Furzedpore.	
...	...	...	...	...	...	17	0	17	0	18	0	120	0	120	0	120	0	13	0	13	0	13	0	2	11	2	11	2	11	2	11	Backergunge.	
...	...	...	...	...	...	16	0	15	8	15	8	...	...	...	...	12	8	12	8	12	4	3	3	3	3	3	3	4	3	4	Mymensingh.		

K. The retail price of salt was at Haigunge 11 seers and at Nitpore 10 seers per rupee.

L. The retail price of salt at Nattore was 12 seers per rupee.

M. In the sub-divisions the retail prices of salt per rupee were:—Gaibanda 14 seers, Kurigram 13 seers and Nilphamari 12 seers.

N. The retail price of salt at Serajgunge was 13 seers per rupee.

O. The retail price of salt per rupee was at Kuraconz 8 seers, and at Silligoree 10 seers.

OI. The retail price of salt at Falaceta in Anpur sub-division was 10 seers per rupee.

P. In the sub-divisions the retail prices of salt per rupee were:—Manickgunge 12 seers, Naraingunge 13 seers, and Moonshegunge 10 seers 10<sup>1</sup>/<sub>2</sub> chittack.Q. In the sub-divisions the retail prices of salt per rupee were:—Gaiundo 13 seers, Madaripore and Bhanga 12 seers, and Gopalgunge 12<sup>1</sup>/<sub>2</sub> seers.

R. In the sub-divisions the retail prices of salt per rupee were:—Patekhali 10 seers, Porozeper 11 seers and Bhola 10 seers.

S. In the sub-divisions the retail prices of salt per rupee were:—Attea 12 seers, Jamalpore 11 seers and Netrokona 12 seers.

## PRICES-CURRENT of Food-grains, Firewood and Salt in the

Number.	DISTRICTS.	RETAIL SALE :—QUANTITIES PER RUPEE BY THE																							
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULURSH MILLET— CUMBOO, BAJRA.			GRASS MILLET— CHOLU JOWAR.								
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.						
Eastern Districts.—Concluded.																									
22	Chittagong	T 14 0	14 8	10 0	...	...	...	13 0	13 0	14 0	17 0	16 0	21 0	...	...	...	...	...	...						
23	Noakholly	U ...	...	...	...	...	...	15 0	16 0	20 0	17 0	18 0	22 0	...	...	...	...	...	...						
24	Tipperah	V 13 4	15 4	11 6	...	...	...	15 0	15 4	18 12	18 12	22 0	23 8	...	...	...	...	...	...						
25	Chittagong Hill Tracts.	...	...	...	...	...	...	13 5	13 5	12 4	16 0	14 8	13 4	...	...	...	...	...	...						
	Hill Tipperah	12 0	12 0	10 0	...	...	...	14 0	14 0	16 0	17 0	18 0	20 0	...	...	...	...	...	...						
BEHAR.																									
26	Patna	...	20 0	20 0	21 0	19 0	21 0	29 12	11 4	11 0	14 0	13 0	14 0	16 0	...	...	...	...	...						
27	Gya	W 16 8	16 0	18 8	20 0	21 0	24 0	9 4	9 8	12 0	12 8	13 0	15 0	...	...	...	...	...	...						
28	Shahabad	X 18 0	18 8	16 8 17 0	22 0	22 8	25 0	9 0	9 0	11 0 11 8	13 0	13 0	15 0 16 0	21 0	22 0	28 0	...	...	...						
29	Durbhunga	X1 17 9	17 9	16 0	19 14	18 11	...	9 15	10 0	13 0	13 4	14 4	16 0	...	...	...	...	...	...						
30	Mozufferpore	Y 17 0	17 0	18 0	20 0	20 0	28 0	10 0	10 0	12 0	13 0	13 0	16 0	...	...	...	...	...	...						
31	Sarun	Z 18 8	18 12	17 0	22 4	22 4	26 0	8 0	8 0	10 0	12 8	13 8	18 0	...	...	...	22 8	24 0	30 0						
32	Chumpan	Z1 16 0	16 0	19 0	...	23 0	32 0	10 8	10 8	13 0	13 0	12 0	17 0	...	...	...	...	...	...						
33	Monghyr	Z2 19 11	19 6	18 9	21 0	21 0	27 14	11 2	11 0	13 16	12 13	13 1	16 0	...	...	...	...	...	...						
34	Bhagulpore	Z3 18-4	17 10	16 6	20 3	20 3	24 0	12 0	12 0	15 2	13-14	13 14	17 10	...	...	...	...	...	...						
35	Purneah	Z4 14 0	18 0	18 0	...	...	...	13 0	13 0	15 0	14 0	14 0	17 0	...	...	...	...	...	...						
36	Maldah	...	20 0	19 0	16 8	...	...	11 0	11 0	14 8	14 0	15 0	17 0	...	...	...	...	...	...						
37	Sonthal Pergs.	Z5 13 0	13 0	14 0	...	...	...	12 8	12 8	16 0	15 0	15 0	22 0	...	...	...	...	...	...						
ORISSA.																									
38	Cuttack	...	18 6	15 12	13 2	...	...	13 2	13 2	13 2	18 6	15 12	21 0	...	...	...	...	...	...						
39	Pooree	...	13 2	11 12	13 0	...	...	13 2	13 2	21 0	17 1	18 6	23 10	...	...	...	...	...	...						
40	Balasore	Z6 16 0	16 0	14 0	11 0	11 0	...	13 0	13 0	16 0	20 0	20 0	28 0	...	...	...	...	...	...						
CHOTA NAGPORE.																									
South-Western Frontier Agency.																									
41	Hazareebagh	Z7 13 0	14 8	14 0	16 0	16 0	20 0	10 0	10 0	9 0	12 0	12 4	16 0	...	...	...	...	...	...						
42	Lohardugga	...	13 0	13 0	15 0	12 0	12 0	20 0	13 0	13 0	18 0	16 0	17 0	22 0	...	...	...	...	...						
43	Singbhoom	...	18 0	18 0	18 0	22 0	22 0	32 0	20 0	20 0	36 0	24 0	24 0	40 0	...	...	...	...	...						
44	Manbhoom	Z8 13 0	14 0	13 0	...	...	...	12 8	14 0	17 0	19 0	18 8	25 0	...	...	...	...	...	...						

(a) The price of rice in the interior ranged from 19 seers 11 chittacks to 26 seers 4 chittacks per rupee.

T The retail price of salt at Cox's Bazar was 9 seers per rupee.

U In the interior the retail price of salt ranged from 9 to 11 seers per rupee.

V In the sub-divisions the retail price of salt per rupee was at Brahmanbariah and Chaudpore 12½ seers.

W In the sub-divisions the retail price of salt per rupee were :—Jehanabad 12 seers, Nowada 10 seers.

X In the sub-divisions the retail price of salt per rupee were :—Buxar and Sasaram 11½ seers, and Bhahua 11 seers.

X1 In the sub-divisions the retail price of salt per rupee were :—Tajpore 11½ seers, Madhubani 11 seers.

Y In the interior the retail price of salt ranged from 10 to 12 seers.

CALCUTTA,

The 12th August 1884.

## Districts of Bengal for the Fortnight ending the 31st July 1884.—(Concl'd.)

SEER OF 80 TOLAHS.

LESSER MILLET— RAGI OR MURWA AND CHENNA.			MAIZE OR INDIAN- CORN			GRAM.			FIREWOOD.			SALT.			WHOLESALE PRICES PER MAUND OF 40 SEERS.			DISTRICTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	

Eastern Districts.—(Concluded.)

S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	Rs.	A.	Rs.	A.	Rs.	A.				
...	...	...	...	...	...	16	0	16	0	13	0	120	0	120	0	40	0	9	8	9	8	10	0	4	0	4	0	...	Chittagong.
...	...	...	...	...	...	12	0	12	0	12	0	...	...	...	...	10	0	10	0	10	0	3	6	3	6	3	2	...	Noakhully.
...	...	...	...	...	...	16	0	16	0	18	0	...	...	...	...	12	0	12	0	12	0	3	4	3	4	3	5	...	Tipperah.
...	...	...	...	...	...	...	...	...	...	320	0	320	0	320	0	8	0	6	6	6	0	4	8	5	0	6	0	...	Chittagong Hill Tracts.
...	...	...	...	...	...	14	0	14	0	12	0	...	...	...	...	11	0	11	0	11	0	3	4	3	4	3	4	...	Hill Tipperah.

BEHAR.

BEHAR.

...	...	...	22	0	23	0	31	0	42	0	24	0	26	0	100	0	100	0	130	0	10	8	10	8	10	8	3	2	3	2	3	0	Patna.	
...	...	...	...	...	...	...	...	...	19	8	19	12	22	0	200	0	200	0	180	0	11	0	11	0	11	0	3	4	3	4	3	6	Gya.	
...	...	...	...	...	...	...	...	...	31	0	23	0	$\left\{ \begin{matrix} 27 \\ \text{to} \\ 28 \end{matrix} \right\}$	0	140	0	140	0	120	0	12	0	12	0	12	8	3	1	3	1	3	1	Shahabad.	
19	14	19	12	32	8	20	15	20	15	...	22	0	20	15	22	8	176	0	165	0	160	0	11	8	12	8	10	0	3	4	3-1-0	3	10	Durbhuanga.
...	...	...	20	0	20	0	32	0	20	0	20	0	24	0	140	0	140	0	140	0	12	0	12	0	11	0	3	4	3	4	3	6	Mozafferpore.	
22	0	21	0	30	0	22	8	22	0	28	0	21	8	21	8	25	0	160	0	160	0	160	0	11	0	11	0	3	4	3	4	3	6	Saran.
...	...	...	21	0	21	0	...	...	19	0	19	0	28	0	...	...	...	...	11	8	11	8	11	8	11	8	3	7	3	7	...	Chumpanun.		
...	...	...	21	0	22	4	25	11	23	1	24	2	25	11	126	0	126	0	126	0	12	1	12	9	12	9	3-2-5	2-15-0	3-1-9	...	Monghyr.			
...	...	...	20	3	22	1	...	...	22	1	22	1	22	11	138	0	151	8	126	8	12	10	12	10	12	10	2-15-0	3	0	3	0	Bhagulpore.		
...	...	...	...	...	...	...	...	...	20	0	20	0	20	0	160	0	160	0	160	0	10	12	10	12	10	0	3-13-6	3-15-0	3	8	...	Purneah.		
...	...	...	...	...	...	...	...	...	23	0	23	0	22	8	200	0	160	0	160	0	12	0	12	0	12	0	3	2	3	2	3	4	Maloh.	
...	...	...	17	0	17	0	30	0	17	0	17	0	19	0	200	0	200	0	200	0	11	0	11	0	10	0	2	15	3	8	...	Southal Pergua.		

ORISSA.

19	11	19	11	18	8	...	...	...	...	22	5	22	5	18	6	80	0	80	0	80	0	14	0	14	0	14	0	2	12	2	12	2	12	Cuttack.
...	...	...	...	...	...	...	...	...	...	17	1	17	1	17	1	80	0	64	0	90	0	15	0	16	0	14	0	2	6	2	6	2	12	Pooree.
...	...	...	...	...	...	...	...	...	...	14	0	14	0	14	0	120	0	120	0	120	0	10	8	10	8	8	0	3	...	3	8	4	6	Balasore.

CHOTA NAGPORE.

South-Western Frontier Agency

17	0	17	0	30	0	15	0	16	0	22	0	14	8	15	0	18	0	240	0	240	0	240	0	10	0	9	0	10	0	3	12	3	13	3	13	Hazareebagh.
24	0	24	0	28	0	...	...	...	...	...	...	12	0	12	0	14	0	120	0	120	0	100	0	3	8	9	0	8	8	4	0	4	4	4	7	Lohardugga.
...	...	...	...	...	...	...	...	...	...	...	...	13	0	13	0	24	0	160	0	160	0	160	0	8	0	8	0	5	8	4	7	4	7	5	8	Singbhoim.
...	...	...	...	...	...	...	...	...	...	...	...	16	0	15	8	17	0	240	0	240	0	120	0	10	8	10	10	10	0	3	9	3	9	3	10	Manbhoim.

21 In the sub-divisions the retail prices of salt per rupee were:—Sewan 11½ seers, Gopalgunge 12 seers.

22 In the interior the retail price of salt per rupee ranged from 10 to 13½ seers.

23 In the sub-divisions the retail price of salt per rupee was at Begusarai and Jamui 11 seers.

24 In the sub-divisions the retail prices of salt per rupee were:—Banka 12 seers, Madhopura 10½ seers, Soopool 10 seers.

25 In the sub-divisions the retail prices of salt per rupee were:—Kissengunge 10 seers, and at Namsengunge at Arra sub-division 11 seers.

26 The retail price of salt at Godda and Rajmehal was 11 seers per rupee and at Deoghur 13 seers per rupee.

27 The retail price of salt at Chattrra was 10 seers and at Kharruckdih 11 seers per rupee.

28 The retail prices of salt in the interior ranged from 10 to 12 seers per rupee.

Published for general information.

COLMAN MACAULAY,



## Meteorological Report of the Province of

METEOROLOGICAL DIVISION.	DISTRICT.	Representative stations.	STATION OBSERVATIONS.															
			AIR PRESSURE.					TEMPERATURE.					HUMIDITY.		CLOUD.		Rainfall.	
			Highest, 10 A.M., barometer reading of month.	Lowest, 10 A.M., barometer reading of month.	Mean, 10 A.M., for month.	Mean reduced to sea-level.	Variation from normal in in.	Highest of month.	Lowest of month.	Mean daily maximum temperature.	Mean daily minimum temperature.	Mean daily temperature.	Variation from normal mean.	Mean, 10 A.M., humidity.	Variation from normal mean.	Mean cloud amount, 10 A.M.		Variation from normal mean, 10 A.M.
ORISSA.	Pooree ...	Gopalpore ...	29.677	29.378	29.553	29.603	—	90.6	75.8	85.0	80.8	83.2	—	80	—	6.4	—	9.14
	False Point* ...	False Point* ...	29.718	29.363	29.569	29.591	—0.37	93.5	74.6	87.8	78.0	82.9	—0.4	83	—2	8.0	+0.9	12.24
	Cuttack ...	Cuttack ...	29.643	29.346	29.512	29.539	—0.23	93.9	76.3	89.2	78.5	83.9	—0.2	75	—6	7.6	+0.3	11.40
	Balasore ...	Balasore ...	29.657	29.361	29.523	29.583	—	92.9	75.7	87.9	78.5	83.2	—	81	—	7.8	—	16.37
	South-West Midnapore and South 24-Pergunnahs.	Saugor Island ...	29.698	29.385	29.564	29.590	—0.23	92.2	77.5	87.4	80.2	83.8	0	86	0	8.5	+0.6	23.16
	Midnapore ...	Midnapore ...	29.545	29.301	29.439	29.589	—	94.3	74.8	89.2	78.0	83.6	—	80	—	7.2	—	22.70
	24-Pergunnahs, Howrah, and Hooghly.	Calcutta ...	29.657	29.411	29.564	29.590	—0.23	93.0	75.7	87.7	78.5	83.1	—0.3	85	—3	8.9	+1.0	11.76
	Burdwan ...	Burdwan ...	29.595	29.356	29.491	29.580	—0.12	95.0	75.9	90.7	79.2	85.0	+0.2	76	—8	8.2	+0.2	6.8
	West Burdwan, Bankura, and Beerbhoom.	Ranigunj ...	29.346	29.129	29.250	—	—	99.0	74.9	90.6	78.0	84.3	—	79	—	6.6	—	10.35
	Moorshedabad ...	Berhampore ...	29.628	29.410	29.531	29.598	—0.05	94.0	75.7	90.5	78.9	84.7	—0.2	82	—4	9.3	+0.6	4.50
	Nuddea ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Jessore and Khoorna ...	Jessore ...	29.674	29.429	29.576	29.609	—0.06	93.3	76.4	89.3	79.1	84.2	+0.1	83	—4	9.2	+1.0	9.30
	Chittagong ...	Chittagong ...	29.723	29.449	29.599	29.688	+0.07	80.1	75.0	84.9	76.1	80.5	—1.0	84	—3	7.3	—0.1	13.64
	Chittagong Hill Tracts	Demagri ...	—	—	—	—	—	89.8	68.2	86.0	68.4	77.2	—2.8	—	—	6.7	+2.9	16.76
	Backergunj ...	Barrisal ...	29.715	29.515	29.612	—	—	88.1	71.4	84.7	77.1	80.9	—	87	—	8.9	—	14.25
	Noakholly ...	Noakholly ...	29.810	29.557	29.685	29.708	—	89.6	75.3	85.5	77.0	81.3	—	84	—	7.7	—	23.53
	Furzedpore ...	Furzedpore ...	29.694	29.457	29.591	—	—	90.5	75.9	87.9	78.5	83.2	—	81	—	6.0	—	8.85
	Dacca ...	Dacca ...	29.701	29.462	29.612	29.634	+0.17	91.8	76.1	88.5	78.6	83.6	—0.1	85	—4	6.9	—1.3	8.57
	Comillah ...	Comillah* ...	29.739	29.475	29.612	29.648	—	93.5	74.8	87.4	76.8	82.2	—	82	—	4.3	—	16.36
	Mymensingh ...	Mymensingh ...	29.673	29.444	29.583	—	—	93.3	76.1	88.7	77.8	83.3	—	82	—	7.7	—	9.22
	Bogra and Pabna ...	Serajgunj ...	29.665	29.448	29.679	29.626	—	92.1	76.2	88.5	78.1	83.3	—	86	—	7.6	—	9.65
	Rajshahye ...	Rampore Beaulah.	29.647	29.386	29.516	29.589	—	92.6	75.6	89.1	77.6	83.4	—	80	—	5.0	—	6.83
	Dinapore ...	Dinapore ...	29.565	29.365	29.462	29.581	—	93.6	77.1	90.0	79.0	84.5	—	80	—	4.3	—	6.14
	Rungpore ...	Rungpore ...	29.520	29.447	29.523	29.640	—	94.8	76.5	90.2	77.6	84.1	—	84	—	6.3	—	6.79
	Julpigoree and Cooch Behar.	Julpigoree ...	29.454	29.243	29.367	29.653	—	93.0	74.1	89.5	76.7	83.1	—	80	—	5.5	—	18.73
	Darjeeling H. Tracts...	Darjeeling* ...	22.959	22.820	22.897	—	—	72.1	49.6	66.0	56.4	61.5	—	89	—	8.7	—	27.97
	Purneah and North Bhagulpore.	Purneah ...	29.571	29.346	29.478	29.604	—0.01	93.7	75.8	91.4	77.6	84.5	—0.4	83	—2	8.7	+1.3	16.07
	Mozufferpore ...	Mozufferpore ...	29.494	29.287	29.423	—	—	96.8	75.0	102.0	178.6	185.3	—	182	—	6.9	—	7.33
	Mozufferpore and Durbhunga.	Durbhunga ...	29.537	29.318	29.433	29.599	+0.10	92.9	77.5	90.1	79.8	85.0	+0.5	82	0	6.6	—1.0	4.07
	Chumparum ...	Motihari ...	29.452	29.238	29.365	29.589	—	99.7	71.3	91.6	78.2	84.9	—	76	—	5.7	—	10.08
	Sarun ...	Chupra ...	29.477	29.284	29.392	—	—	95.5	77.0	90.9	79.4	82.2	—	78	—	5.8	—	8.41
	Arrah ...	Arrah ...	29.456	29.267	29.350	29.581	—	95.4	77.1	91.0	79.5	85.3	—	79	—	5.1	—	7.30
	Shahabad ...	Dehree ...	29.298	29.119	29.211	29.562	—	99.4	71.0	180.8	177.0	182.3	—	175	—	6.1	—	9.00
	Buxar ...	Buxar ...	29.416	29.240	29.333	29.573	—	93.9	75.8	88.7	78.7	83.7	—	76	—	7.4	—	6.99
	Gya ...	Gya ...	29.239	29.073	29.176	29.560	—	98.7	75.3	93.2	77.3	85.4	+0.3	72	—8	10.0	+1.9	7.82
	Pajna ...	Bankipore ...	29.563	29.301	29.411	29.594	+0.10	98.0	78.2	91.4	80.2	85.8	+0.1	79	—2	7.5	—0.5	6.40
	South Bhagulpore and Monghyr.	Bhagulpore ...	29.514	29.297	29.413	29.575	—	92.9	76.5	90.0	78.5	84.2	—	79	—	4.4	—	10.23
	South Bhagulpore and Monghyr.	Naya Doonka...	29.171	28.972	29.085	—	—	94.6	73.8	89.4	77.8	83.6	—	91	—	5.6	—	8.68
	Hazaribagh ...	Hazaribagh ...	27.687	27.485	27.586	29.583	—0.01	88.0	71.2	84.4	73.5	79.0	—0.3	83	—2	9.8	+0.9	6.47
	Loharougga and Manbhoom.	Ranchee ...	27.571	27.341	27.472	29.578	—	83.9	69.9	82.7	72.5	77.6	—	84	—	9.2	—	14.19
	Singhbhoom ...	Chaiabassa ...	28.513	28.350	28.504	—	—	92.5	74.2	87.9	76.9	82.4	—	79	—	8.5	—	20.82

\* Mean for 30 days.

† Uncorrected.

‡ Mean for 24 days.

Bengal for the month of July 1884.

DISTRICT OBSERVATIONS.											Representative stations.	DISTRICT.	METEOROLOGICAL DIVISION.
RAINFALL.													
Of month.					Since 15th May 1884.								
Mean of district.	Normal mean.	Variation from mean.	Number of rainy days.	Normal mean number of rainy days.	Mean of district.	Normal mean.	Variation.	Mean number of rainy days.	Normal mean number of rainy days.				
11'01	12'39	-1'38	18'8	16'5	19'07	24'12	-5'05	32'1	31'8	Gopalpore ...	Pooroo ...	ORISSA.	
9'68	12'79	-3'11	17'3	16'3	21'06	24'10	-3'04	30'6	31'6	Cuttack ...	Cuttack ...		
14'45	13'05	+0'80	18'3	18'0	27'45	24'04	+3'41	34'5	34'6	Balasore ...	Balasore ...		
18'42	15'28	+3'14	22'3	19'8	32'84	27'53	+5'21	40'6	33'4	Saugor Island ...	South-West Midnapore and South 24-Pergunnahs.	SOUTH-WEST BENGAL.	
15'88	12'17	+3'71	18'0	17'1	23'45	23'86	-0'41	30'0	33'9	Midnapore ...	Midnapore ...		
10'20	12'40	-2'20	22'2	21'8	22'41	25'34	-2'53	40'1	43'2	Calcutta ...	24-Pergunnahs, Howrah, and Hooghly.		
6'77	10'46	-3'69	15'0	17'9	17'85	21'86	-4'01	36'0	36'0	Burdwan ...	Burdwan ...	SOUTH-WEST BENGAL.	
10'97	12'85	-1'88	23'3	19'9	18'47	25'64	-7'17	38'3	39'4	Ranigunj ...	West Burdwan, Bankura, and Beerbhoom.		
7'97	10'76	-2'79	16'3	18'7	17'89	22'85	-4'96	34'6	36'6	Berhampore ...	Moorsheadabad ...		
7'14	10'46	-3'32	15'2	17'7	18'98	23'08	-5'00	33'8	37'1	Nuddea ...	Nuddea ...	SOUTH-WEST BENGAL.	
8'77	11'53	-2'76	18'6	21'3	27'00	27'48	+0'48	38'9	44'7	Jessore ...	Jessore and Khoolna ...		
21'88	31'52	-9'64	28'5	25'3	59'23	67'40	-8'26	63'0	63'1	Chittagong ...	Chittagong ...	SOUTH-WEST BENGAL.	
9'86	19'62	-9'76	27'0	25'7	34'76	45'35	-8'57	55'5	54'2	Demagiri ...	Chittagong Hill Tracts		
16'00	18'07	-1'47	22'8	25'4	41'77	42'70	-0'93	48'6	52'8	Barrisal ...	Backergunj ...	EAST BENGAL.	
19'73	23'43	-3'70	25'0	25'3	45'88	58'52	-12'44	48'5	52'8	Noakholly ...	Noakholly ...		
8'04	12'38	-4'34	16'7	20'9	23'61	29'40	-5'88	33'0	45'1	Furcedpore ...	Furcedpore ...	EAST BENGAL.	
8'08	14'04	-5'96	21'0	20'2	26'47	29'06	-2'49	46'3	44'0	Dacca ...	Dacca ...		
12'03	14'22	-2'19	22'0	22'0	36'02	36'30	+0'28	45'3	49'0	Commillah ...	Commillah ...	EAST BENGAL.	
7'67	14'24	-6'57	19'5	20'3	30'58	35'90	-5'32	44'1	45'9	Mymensingh ...	Mymensingh ...		
8'73	12'09	-3'36	16'3	17'6	22'93	28'14	-5'21	33'3	38'2	Serajgunj ...	Rogra and Pubna ...	NORTH BENGAL.	
6'78	11'94	-5'16	17'7	18'2	20'64	25'19	-5'15	39'0	37'3	Rampore Beau- leah.	Rajahshye ...		
7'68	11'44	-3'76	17'8	18'3	24'36	29'22	-4'86	37'9	37'6	Dinapore ...	Dinapore ...	NORTH BENGAL.	
9'32	14'07	-5'65	14'8	15'6	31'33	42'72	-11'39	40'3	39'6	Rungpore ...	Rungpore ...		
14'91	19'71	-4'80	18'4	20'5	55'43	60'61	-5'18	50'2	52'0	Julpigoree ...	Julpigoree and Cooch Behar.	NORTH BENGAL.	
35'28	59'18	-23'90	22'5	26'3	66'23	84'03	-17'40	62'5	60'5	Darjeeling ...	Darjeeling Hill Tracts...		
13'16	13'99	-0'83	15'8	17'8	24'76	28'11	-3'35	32'8	32'6	Purneah ...	Purneah and North Bhagulpore.	NORTH BENGAL.	
8'16	11'36	-3'20	13'0	14'4	15'90	20'32	-4'42	25'0	25'7	Durbhunga ...	Moxuffepore and Dur- bhunga.		
11'46	11'73	-0'27	12'0	13'9	21'06	26'98	+0'92	24'3	25'6	Motihari ...	Chumparun ...	NORTH BENGAL.	
7'75	11'70	-3'95	14'5	16'0	12'05	19'37	-6'32	25'0	26'0	Chupra ...	Sarun ...		
7'24	11'79	-4'55	13'5	17'4	10'46	17'88	-7'42	22'3	28'1	Dehree ...	Shahabad ...	SOUTH BENGAL.	
6'05	12'40	-6'35	13'8	15'6	10'37	19'52	-9'15	24'1	25'7	Gya ...	Gya ...		
6'06	11'05	-5'29	15'8	16'8	12'77	19'92	-7'15	27'8	28'0	Bankipore ...	Patna ...	SOUTH BENGAL.	
7'85	11'82	-3'97	16'4	18'4	15'67	20'21	-4'54	28'0	31'4	Bhagulpore ...	South Bhagulpore and Monghyr.		
8'53	12'59	-4'06	20'0	18'9	16'51	23'77	-7'26	36'1	35'1	Naya Doomka...	Sonthal Pergunnahs ...	SOUTH BENGAL.	
9'43	13'16	-3'68	22'0	21'5	14'12	22'74	-8'62	34'3	38'7	Hazaribagh ...	Hazaribagh ...		
10'65	13'08	-2'43	22'5	21'0	16'07	22'44	-6'37	36'8	38'1	Ranchee ...	Loharduzga and Man- bhoom.	SOUTH BENGAL.	
18'30	14'53	+3'77	23'0	21'6	23'73	25'20	-1'47	40'0	43'2	Chaibassa ...	Singbhoom ...		

Table of Rainfall recorded at Stations

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
ORISSA	Pooree	Pooree	1.72	0.13	...	...	...	...	...	0.30	...	2.48	0.72	...	...	...	0.77	0.49	0.33	0.05	0.57	0.47	
		Khurda	2.18	0.07	0.06	0.09	0.33	0.13	0.01	...	...	3.36	0.67	0.16	...	0.08	0.07	0.22	0.31	0.55	0.42	0.39	
		Banpur	0.90	0.80	...	...	0.40	...	...	...	...	1.59	0.29	...	...	...	0.02	0.50	1.00	...	0.58	0.25	
		False Point	0.27	0.23	1.72	...	...	0.02	0.57	...	0.27	0.85	0.15	0.07	0.19	0.22	0.04	1.27	...	0.54	...	0.02	
	Cuttack	Huokitola	0.21	...	0.17	0.30	0.10	...	0.03	0.40	...	1.13	0.40	0.05	0.43	...	0.08	0.94	...	0.46	...	...	
		Jaestsingapore	1.40	...	...	0.14	...	0.20	...	...	...	4.48	0.15	0.18	...	0.09	0.12	...	0.32	0.94	...	0.40	
		Banki	1.46	...	...	...	0.63	0.01	...	...	...	2.89	0.37	...	...	...	0.31	0.38	0.17	0.23	1.42	1.35	
		Cuttack	1.11	0.05	0.30	...	0.05	0.10	...	...	...	1.80	1.25	0.10	...	...	0.07	0.28	0.26	0.63	0.19	...	
	Balasore	Kendrapara	0.24	...	...	...	...	...	...	...	...	2.91	0.48	...	...	0.03	0.37	0.06	...	0.45	...	0.03	
		Jajpore	1.11	...	...	...	...	...	...	...	...	1.85	0.42	0.24	...	...	...	...	0.21	0.05	0.15	0.61	
		Chandball	0.24	...	0.08	...	...	...	...	...	0.38	1.42	0.31	...	...	...	0.07	0.14	0.44	0.06	0.34	...	
		Bhuddruck	0.34	...	...	...	...	...	...	...	0.59	0.39	0.35	0.21	...	...	...	0.50	...	0.20	...	...	
SOUTH-WEST	Midnapore	Sorah	4.08	...	...	...	...	0.40	...	...	...	0.29	0.47	0.28	0.26	...	0.10	0.32	0.30	...	...	0.29	
		Balasore	3.69	0.18	...	...	...	...	...	...	...	0.29	0.47	0.28	0.26	...	0.10	0.32	0.30	...	...	0.29	
		Jellapore	2.10	...	...	...	...	...	...	...	...	0.29	0.47	0.28	0.26	...	0.10	0.32	0.30	...	...	0.29	
		Baripodah	0.29	0.30	...	0.09	0.01	0.47	...	0.45	0.28	1.23	0.56	0.35	0.42	0.78	0.22	0.33	0.20	0.24	0.52	0.48	
	24-Pergunnahs	Contai	0.31	...	0.05	...	...	...	...	...	0.15	0.52	0.92	0.90	0.11	0.75	...	...	0.18	1.32	0.98	0.79	
		Saugor Island	0.34	0.10	0.42	0.36	...	...	...	...	5.09	0.35	1.23	0.89	0.07	...	...	...	0.17	1.05	1.41	0.12	
		Tumlook	...	1.50	...	...	...	...	...	...	...	0.40	1.30	1.40	...	0.90	...	...	...	...	...	...	
		Midnapore	0.17	4.91	...	0.02	...	0.37	...	0.28	1.15	0.59	1.47	0.83	0.43	0.13	...	0.17	0.26	...	0.22	0.63	
	Howrah	Ghatat	0.04	0.36	...	...	...	...	1.78	...	...	0.95	1.12	1.22	0.48	0.06	...	0.22	0.16	...	...	1.04	
		Diamond Har-	0.41	...	2.08	0.19	0.54	...	...	...	0.77	0.99	1.83	0.79	0.40	...	0.35	0.03	0.31	0.19	...	0.71	
		bours.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Alipore Jail	0.18	0.10	0.05	...	0.38	...	...	0.25	0.40	0.31	0.45	0.24	0.30	0.80	...	0.24	0.25	0.11	...	0.98	
	Hooghly	Barrackpore	...	0.09	0.08	...	...	...	...	...	0.59	0.65	0.44	0.69	0.05	...	0.26	0.16	...	0.09	...	0.24	
		Dum-Dum	0.29	0.14	0.34	...	0.75	...	...	...	0.09	0.95	0.48	0.06	0.05	0.14	0.01	0.56	0.41	0.35	0.01	1.51	
		Baraset	0.35	0.38	0.64	...	0.02	...	...	...	...	0.59	0.99	0.23	...	0.21	...	0.14	0.11	0.18	...	0.04	
		Buseerhat	0.04	0.43	0.32	...	0.07	...	0.17	...	...	0.23	1.18	0.48	0.83	...	...	0.08	0.11	0.07	1.79	...	
	Burdwan	Howrah	0.16	0.14	0.30	...	...	...	...	...	0.08	0.26	0.24	0.39	0.47	0.16	0.15	0.21	0.21	0.04	...	0.54	
		Moherreka	0.45	0.03	0.09	...	...	...	...	...	...	1.19	0.85	0.71	0.08	0.05	0.08	0.38	0.15	0.07	...	1.53	
		Serampore	...	...	0.07	...	...	0.09	...	0.05	1.77	0.72	0.45	0.97	0.06	...	0.40	0.24	...	0.12	...	0.51	
		Hooghly	0.08	0.21	0.07	...	...	...	...	0.12	0.06	0.48	0.77	0.37	0.04	...	0.11	0.17	...	0.29	0.09	...	
	Bankoora	Jehanabad	0.10	0.60	...	...	...	...	...	...	0.09	0.61	0.64	0.55	...	0.01	...	0.41	0.07	0.08	0.38	1.03	
		Culna	...	...	...	...	0.31	0.27	...	...	...	0.62	0.61	...	...	...	...	0.27	...	0.93	0.68	1.32	
		Burdwan	0.23	0.11	...	...	...	0.42	0.03	...	...	0.32	0.16	0.55	1.13	...	0.55	0.26	0.16	...	...	0.40	
		Cutwa	0.15	0.40	...	...	0.56	...	...	...	...	0.25	...	...	...	0.22	...	...	0.09	...	0.94	0.43	
	Beerbhoom	Raneesungu	0.45	1.29	0.25	...	...	0.30	...	0.33	1.36	0.08	0.42	...	0.43	0.14	...	0.33	0.13	0.30	...	...	
		Bankoora	0.08	0.52	1.19	0.69	...	...	...	...	0.85	0.90	0.25	0.55	0.45	0.11	1.70	0.21	0.30	0.25	0.27	0.09	
		Bishenpore	0.17	0.94	0.39	...	0.52	0.24	...	...	...	0.77	0.29	0.39	1.33	...	...	0.14	...	...	0.33	0.29	
		Malaria	0.08	1.11	0.16	...	...	...	...	...	0.12	0.22	0.14	0.94	...	0.16	...	0.31	0.49	...	2.09	0.38	
	Nuddea	Khairia	...	3.09	0.72	0.06	0.01	...	...	...	0.11	0.41	0.72	0.31	0.39	0.08	0.52	...	1.38	0.38	0.16	1.21	0.33
		Bh. Soory	0.02	0.31	0.13	...	...	0.60	...	1.15	0.06	0.11	0.52	0.33	...	0.01	...	0.14	0.37	0.04	0.13	1.90	
		Hetampore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Rongong	...	...	1.34	...	...	...	...	0.38	...	...	0.20	1.10	0.15	...	...	...	...	0.45	...	...	
	Khoolna	Rongong	...	0.40	...	...	...	...	...	...	...	0.46	1.20	...	...	...	...	1.10	...	0.23	1.80	0.14	
		Kishnaghat	0.54	...	...	0.32	...	0.07	0.13	0.59	...	0.36	...	...	0.45	...	...	...	0.16	0.57	0.72	0.31	
		Choodanga	0.26	0.28	0.07	0.08	0.32	1.31	...	1.03	...	0.39	0.87	...	0.02	...	...	...	0.01	...	0.02	...	
		Meherpore	0.27	0.47	...	...	...	0.37	...	...	...	0.50	0.09	0.30	...	...	...	0.15	0.15	...	0.19	...	
	Jessore	Kooshtea	0.08	1.02	1.38	...	0.98	0.02	...	0.15	...	...	0.21	0.04	0.25	...	...	1.34	0.29	...	0.10	...	
		Sathira	0.13	1.03	1.12	0.20	...	0.11	0.09	1.10	...	0.25	1.22	0.09	0.21	0.06	...	0.46	...	0.03	0.47	0.10	
		Bagirhat	0.13	0.40	0.77	0.75	...	0.98	0.05	0.11	...	...	0.91	1.07	0.46	...	...	0.02	0.37	2.88	0.29	...	
		Khoolna	0.20	0.69	2.20	0.03	0.15	0.27	...	...	...	0.09	0.99	0.40	...	...	...	1.56	...	0.75	0.05	0.24	
	Moorshedabad	Narail	0.05	...	...	0.21	...	...	...	...	...	...	0.51	...	...	0.89	0.10	0.11	0.04	0.31	...	...	
		Jessore	0.18	0.24	...	...	0.04	1.40	0.04	...	...	0.95	1.88	0.16	...	0.74	0.22	...	0.16	0.29	0.03	0.11	
		Jhenidah	0.14	0.37	0.37	0.02	0.66	...	...	0.35	...	0.23	0.55	...	0.63	...	...	...	0.12	0.17	...	0.12	
		Magorah	0.22	0.29	0.20	0.05	...	0.14	0.53	...	...	...	0.62	...	...	...	...	...	0.12	...	0.14	...	
	Chittagong	Kandi	...	1.15	...	...	...	...	...	...	0.47	...	...	...	...	0.11	...	...	0.02	...	0.21	0.37	
		Rampore Haut	0.23	0.43	0.21	...	...	0.72	...	0.24	0.12	...	0.70	0.01	...	...	...	0.37	0.53	0.08	0.08	0.33	
		Berhampore	...	0.22	...	...	...	...	...	...	1.87	...	0.38	0.17	...	...	...	0.07	0.17	0.10	...	...	
		Lalbagh	...	1.45	...	...	...	...	...	...	...	0.41	0.85	...	...	...	...	0.41	0.22	...	...	...	
	Chittagong Hill Tracts	Azimungu	0.08	0.31	0.18	...	...	...	...	...	0.25	...	3.21	...	...	...	...	0.43	0.46	0.05	0.07	0.29	
		Jungipore	0.21	0.35	0.75	...	...	0.41	0.35	...	...	...	0.51	...	...	...	...	...	0.23	...	0.15	...	
		Lalgaia	0.15	0.08	0.10	...	0.20	1.22	...	1.42	...	...	0.52	0.04	0.05	...	...	0.08	0.16	...	...	...	
		Cox's Bazar	1.76	3.00	5.27	1.20	0.29	0.50	1.06	1.08	0.04	0.14	0.52	0.07	1.74	0.09	0.62	0.38	0.40	1.14	0.24	...	
	Backergunge	Chittagong	0.17	1.82	0.27	0.16	0.05	0.61	0.84	0.27	...	0.93	0.38	0.39	0.25	0.63	...	0.23	...	2.30	0.00	...	
		Rangamati	0.16	0.63	0.84	0.32	0.36	0.77	0.48	0.32	...	0.65	0.02	0.43	...	0.06	1.26	0.12	0.12	0.32	0.03	0.21	
		Raicha	0.15	1.36	0.55	0.12	0.47	0.27	0.29	0.44	...	...	0.14	0.16	...	0.85	0.47	0.05	0.57	0.30	0.25	...	
		Agartola	0.17	0.40	...	0.55	0.65	...	0.99	0.83	...	...	0.95										

## Bengal in July 1884.

21	22	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st January to 31st July 1884.	Average rainfall from 1st January to 31st July 1884.	Station.	District.	Meteorological division.
0.03	2.68	...	...	...	...	...	...	0.50	0.61	0.07	16	11.1	11.58	10.45	2.08	25.41	24.91	Pooree, Khardah, Baupur, False Point, Hookitola.	Pooree	ORISSA.
...	0.11	0.04	0.10	0.02	...	...	...	...	...	...	23	21.9	11.28	13.08	2.36	25.03	28.99	Jagatsingapore Banki, Cuttack, Kendrapara, Jajpore.	Cuttack.	
...	...	...	...	...	...	...	...	...	...	...	18	15.1	11.74	10.99	4.48	26.67	23.82	...	Balasore.	
...	...	...	...	...	...	...	...	...	...	...	23	22.5	9.90	12.66	1.83	28.56	29.66	...	Midnapore	SOUTH-WEST BENGAL.
...	...	...	...	...	...	...	...	...	...	...	15	12.8	8.80	11.97	2.01	35.06	31.89	...	24-Pergunnahs.	
...	...	...	...	...	...	...	...	...	...	...	13	14.8	8.26	13.80	1.85	24.27	32.74	...	Howrah.	
...	...	...	...	...	...	...	...	...	...	...	20	13.7	14.89	13.22	3.72	34.16	29.48	...	Hooghly.	
...	...	...	...	...	...	...	...	...	...	...	14	17.6	6.71	12.57	1.82	29.39	31.22	...	Burdwan.	
...	...	...	...	...	...	...	...	...	...	...	16	17.0	11.22	12.64	4.08	26.20	28.20	...	Bankoora.	
...	...	...	...	...	...	...	...	...	...	...	22	19.5	19.11	11.90	5.72	46.06	31.76	...	Beerbhoom.	
...	...	...	...	...	...	...	...	...	...	...	26	23.6	14.79	13.62	4.71	54.95	31.93	...	Nuddea.	
...	...	...	...	...	...	...	...	...	...	...	21	16.4	15.13	14.88	2.03	37.49	34.09	...	Chittagong.	EAST BENGAL.
...	...	...	...	...	...	...	...	...	...	...	22	20.6	23.91	16.65	5.09	44.73	36.19	...	Chittagong Hill Tracts.	
...	...	...	...	...	...	...	...	...	...	...	12	12.5	11.60	11.79	1.60	29.69	31.21	...	Backergunge.	
...	...	...	...	...	...	...	...	...	...	...	22	19.8	22.04	11.89	4.91	35.06	31.89	...	Noakholly.	
...	...	...	...	...	...	...	...	...	...	...	19	19.1	13.41	13.43	3.94	29.40	32.99	...	Fenny.	
...	...	...	...	...	...	...	...	...	...	...	24	22.4	17.13	15.70	2.08	42.91	36.37	...	Madaripore.	
...	...	...	...	...	...	...	...	...	...	...	25	24.4	12.27	13.26	2.14	31.76	34.39	...	Furzedpore.	
...	...	...	...	...	...	...	...	...	...	...	19	19.4	9.43	11.96	2.00	29.40	31.46	...	Goalundo.	
...	...	...	...	...	...	...	...	...	...	...	27	22.0	13.28	12.17	1.51	33.18	32.39	...	Dacca.	
...	...	...	...	...	...	...	...	...	...	...	22	20.2	9.48	10.89	1.75	31.64	31.97	...	Manickgunge.	
...	...	...	...	...	...	...	...	...	...	...	21	20.4	9.41	12.63	1.84	30.29	30.19	...	Mymensingh.	
...	...	...	...	...	...	...	...	...	...	...	24	24.1	8.19	12.70	1.72	27.83	34.78	...	Kishoregunge.	
...	...	...	...	...	...	...	...	...	...	...	21	22.2	9.79	13.02	1.53	32.86	33.87	...	Atia.	
...	...	...	...	...	...	...	...	...	...	...	22	24.2	12.75	12.39	2.32	36.26	32.32	...	Mymensingh.	
...	...	...	...	...	...	...	...	...	...	...	22	21.4	10.12	11.78	3.91	26.58	34.53	...	Netrokona.	
...	...	...	...	...	...	...	...	...	...	...	29	19.2	7.94	12.91	1.87	22.53	31.96	...		
...	...	...	...	...	...	...	...	...	...	...	13	14.6	7.55	10.50	2.28	21.83	29.63	...		
...	...	...	...	...	...	...	...	...	...	...	18	21.0	7.16	12.21	1.13	19.19	31.90	...		
...	...	...	...	...	...	...	...	...	...	...	14	17.4	5.59	9.73	0.94	29.84	29.13	...		
...	...	...	...	...	...	...	...	...	...	...	23	21.2	10.97	12.39	1.79	22.30	27.41	...		
...	...	...	...	...	...	...	...	...	...	...	27	20.1	12.67	12.63	1.70	29.59	30.49	...		
...	...	...	...	...	...	...	...	...	...	...	22	16.8	9.12	11.33	1.33	21.94	31.27	...		
...	...	...	...	...	...	...	...	...	...	...	19	19.0	10.25	11.97	2.00	19.63	26.61	...		
...	...	...	...	...	...	...	...	...	...	...	25	19.0	12.83	15.14	3.00	24.04	31.78	...		
...	...	...	...	...	...	...	...	...	...	...	24	22.7	9.96	12.61	1.90	21.04	28.98	...		
...	...	...	...	...	...	...	...	...	...	...	11	15.8	6.60	10.76	1.46	26.09	32.60	...		
...	...	...	...	...	...	...	...	...	...	...	19	15.5	8.35	9.50	1.00	27.93	30.77	...		
...	...	...	...	...	...	...	...	...	...	...	17	20.9	7.20	9.98	0.91	25.18	31.56	...		
...	...	...	...	...	...	...	...	...	...	...	19	17.4	6.73	9.53	1.31	27.75	33.09	...		
...	...	...	...	...	...	...	...	...	...	...	16	17.7	5.96	9.74	1.72	23.93	31.03	...		
...	...	...	...	...	...	...	...	...	...	...	18	18.9	8.98	10.76	1.38	30.70	35.73	...		
...	...	...	...	...	...	...	...	...	...	...	24	21.4	10.41	12.73	1.34	38.46	37.94	...		
...	...	...	...	...	...	...	...	...	...	...	21	21.2	10.45	14.74	2.85	50.16	43.19	...		
...	...	...	...	...	...	...	...	...	...	...	20	21.5	14.53	12.90	2.20	60.33	38.62	...		
...	...	...	...	...	...	...	...	...	...	...	12	50.5	4.01	9.36	0.89	20.37	35.23	...		
...	...	...	...	...	...	...	...	...	...	...	21	23.6	8.44	11.34	1.88	40.73	40.43	...		
...	...	...	...	...	...	...	...	...	...	...	19	18.9	7.39	9.58	1.20	35.64	36.19	...		
...	...	...	...	...	...	...	...	...	...	...	13	22.1	8.17	10.35	0.62	33.82	37.13	...		
...	...	...	...	...	...	...	...	...	...	...	15	20.8	7.04	11.76	2.37	19.72	29.55	...		
...	...	...	...	...	...	...	...	...	...	...	20	18.1	8.04	10.33	1.36	17.93	26.56	...		
...	...	...	...	...	...	...	...	...	...	...	14	19.0	6.43	10.27	1.67	22.63	29.43	...		
...	...	...	...	...	...	...	...	...	...	...	10	17.0	7.41	9.82	1.57	23.62	26.85	...		
...	...	...	...	...	...	...	...	...	...	...	29	19.6	11.37	9.95	3.64	24.65	26.93	...		
...	...	...	...	...	...	...	...	...	...	...	16	18.7	7.27	10.86	1.65	18.84	27.30	...		
...	...	...	...	...	...	...	...	...	...	...	20	18.1	8.20	11.05	1.69	27.63	27.84	...		
...	...	...	...	...	...	...	...	...	...	...	30	26.2	28.85	30.99	5.27	83.55	61.75	...		
...	...	...	...	...	...	...	...	...	...	...	27	24.4	14.91	21.77	2.50	66.49	61.97	...		
...	...	...	...	...	...	...	...	...	...	...	27	25.7	9.86	13.9 9	1.26	50.86	56.36	...		
...	...	...	...	...	...	...	...	...	...	...	28	?	13.96	?	2.28	60.62	?	...		
...	...	...	...	...	...	...	...	...	...	...	19	19.3	12.69	12.61	1.47	55.29	45.56	...		
...	...	...	...	...	...	...	...	...	...	...	19	26.1	14.95	22.14	2.00	59.73	62.34	...		
...	...	...	...	...	...	...	...	...	...	...	16	22.8	12.58	15.80	2.74	49.27	45.35	...		
...	...	...	...	...	...	...	...	...	...	...	28	26.0	14.07	16.55	1.80	55.73	49.25	...		
...	...	...	...	...	...	...	...	...	...	...	28	26.0	24.81	18.36	4.30	62.19	57.36	...		
...	...	...	...	...	...	...	...	...	...	...	27	23.9	23.30	20.94	3.12	61.57	62.69	...		
...	...	...	...	...	...	...	...	...	...	...	23	24.6	16.16	21.61	3.20	76.20	71.83	...		
...	...	...	...	...	...	...	...	...	...	...	11	21.7	6.68	12.71	1.25	35.68	43.79	...		
...	...	...	...	...	...	...	...	...	...	...	19	21.4	8.65	12.70	1.98	37.97	43.07	...		
...	...	...	...	...	...	...	...	...	...	...	20	19.7	8.89	12.01	2.32	35.65	38.63	...		
...	...	...	...	...	...	...	...	...	...	...	20	19.0	8.82	10.23	1.24	43.90	52.67	...		
...	...	...	...	...	...	...	...	...	...	...	23	21.9	8.95	12.82	1.46	40.94	44.87	...		
...	...	...	...	...	...	...	...	...	...	...	19	?	8.70	?	1.75	31.24	?	...		
...	...	...	...	...	...	...	...	...	...	...	20	18.8	9.17	11.78	2.34	39.69	37.81	...		
...	...	...	...	...	...	...	...	...	...	...	26	24.0	18.00	18.85	2.54	61.77	58.36	...		
...	...	...	...	...	...	...	...	...	...	...	19	23.3	11.05	15.57	2.50	53.25	55.30	...		
...	...	...	...	...	...	...	...	...	...	...	24	21.4	9.96	11.93	1.70	58.74	49.86	...		
...	...	...	...	...	...	...	...	...	...	...	16	21.1	7.41	13.41	2.23	41.06	52.23	...		
...	...	...	...	...	...	...	...	...	...	...	14	16.6	7.28	11.05	1.43	25.65	38.45	...		
...	...	...	...	...	...	...	...	...	...	...	25	22.1	8.29	16.88	1.25	67.65	50.36	...		
...	...	...	...	...	...	...	...	...	...	...	21	18.8	7.10	13.51	1.63	40.73	44.47	...		
...	...	...	...	...	...	...	...	...	...	...	18	?	10.69	?	1.96	55.22	?	...		

Blank. If some of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.



Table of Rainfall recorded at Stations

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
NORTH BENGAL	Pubna	Pubna	0.18	2.15	0.20	0.51	0.26	...	...	0.24	...	0.15	0.29	...	0.15	...	...	1.00	0.30	0.27	0.06	...	
		Serajgunge	...	0.61	1.30	0.98	0.54	...	0.30	...	...	0.77	0.53	0.03	...	...	...	1.29	0.09	0.90	...	...	
	Bogra	Sherpore	1.00	0.51	0.09	0.25	...	0.31	...	...	...	0.26	0.15	...	...	...	1.65	...	0.63	0.60	0.24	...	0.25
		Nowkhilla	0.25	0.22	0.42	1.09	0.62	...	0.15	...	...	...	0.05	0.48	0.09	...	0.81	...	2.32	1.26	0.15	...	...
		Bogra	0.04	0.76	0.18	0.05	...	0.32	...	...	...	...	...	0.33	...	...	0.14	...	1.32	...	...	...	...
		Panchbibi	...	1.31	0.11	1.09	0.40	0.43	1.52	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rajshahye	Beaulah	...	0.21	0.24	0.03	1.78	...	...	0.81	0.02	...	0.29	...	0.75	...	...	...	0.40	0.13	0.08	0.01	...
		Natore	0.50	0.80	0.50	0.25	...	...	...	...	...	...	0.10	...	...	...	...	...	1.70	...	0.30	...	...
	Nowgong	Nowgong	0.20	...	0.19	0.40	1.80	0.15	0.45	0.23	...	...	0.17	0.29	...	...	...	...	...	...	0.05	...	...
		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Maldah	Maldah	0.35	0.86	0.13	0.08	...	...	0.94	0.05	0.17	...	0.24	0.31	0.02	0.02	...	0.66	0.24	...	...	0.15	
	Dinagore	Mohadebore	0.18	0.28	0.03	0.05	...	0.20	...	...	...	0.83	0.12	...	...	...	1.07	0.08	...	0.07	...	...	
		Churamon	0.15	1.05	0.25	0.28	...	1.20	...	...	0.60	...	0.35	...	...	...	...	2.90	...	...	...	...	
		Raigunge	1.77	0.33	0.61	0.20	0.05	1.97	0.27	...	0.91	0.19	0.37	...	...	...	...	1.48	0.38	...	...	0.05	
		Dinagore	0.08	0.37	0.61	0.19	0.30	1.06	1.49	0.33	0.17	...	0.23	...	0.33	...	0.65	0.10	0.42	0.30	...	...	
	Rangpore	Baloorghat	0.19	0.43	0.17	0.36	0.30	0.23	1.76	...	0.69	...	...	...	...	...	0.32	...	1.34	0.22	0.21	...	...
		Bhawungunge	...	...	0.30	0.21	...	3.50	2.80	...	...	...	1.11	...	...	...	...	...	...	0.58	...	...	...
		Gyabandha	0.32	0.04	0.05	0.19	0.22	1.95	0.11	0.20	0.04	0.41	0.30	0.01	...	...	...	0.23	0.05	...	...	...	
		Kangra	0.18	0.15	0.33	0.54	0.07	0.18	1.12	...	0.18	...	0.16	...	...	...	0.77	0.07	...	0.12	...	...	
	Jalpigore	Basdogra	...	0.30	1.45	0.09	0.11	2.47	0.85	2.01	...	0.09	0.21	...	...	...	...	...	0.06	0.05	...	...	...
		(Nulphamari)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Jalpigore	Jalpigore	0.38	0.27	0.36	...	1.46	4.18	4.37	1.37	1.74	...	0.20	...	0.19	1.08	...	0.10	0.25	0.22	...	...	...
	Cooch Behar	Dinhatta	0.35	0.19	0.21	0.09	0.21	0.65	0.41	1.20	...	0.45	0.65	...	...	1.12	1.20	...	0.35	0.05	...	0.33	
		Cooch Behar	0.30	0.25	0.85	...	0.75	2.85	1.95	5.99	...	1.04	0.15	...	...	...	...	...	0.25	0.25	0.05	...	...
		Mickligunge	0.18	0.41	0.21	0.03	2.15	2.00	3.35	1.25	...	...	...	...	...	...	...	...	0.13	...	0.09	...	0.15
		Matabhanga	0.22	1.28	0.12	0.07	1.08	2.17	5.97	1.25	0.05	0.11	0.14	...	...	...	...	0.34	0.06	0.05	0.07	...	...
NORTH BEHAR	Darjeeling Hill.	Buxa	0.43	1.18	0.45	1.20	5.40	3.20	0.60	1.15	0.25	0.90	0.30	0.29	3.20	4.60	2.20	...	0.44	...	...	...	
		Siliguri	0.44	0.80	1.77	0.58	6.50	0.71	1.63	2.90	1.66	...	1.28	1.32	0.63	...	...	...	1.96	0.75	...	...	
	Darjeeling Hill.	Darjeeling	0.95	2.62	3.73	1.06	3.02	0.71	1.54	1.69	...	0.08	3.30	1.51	0.11	0.97	...	0.42	0.91	0.14	...	...	
		Kalimping	1.23	0.85	1.47	1.08	1.14	0.21	0.13	...	...	0.45	2.22	0.68	...	...	...	0.26	0.43	0.04	...	...	
	Purneah	Kissengunge	4.05	0.65	1.48	2.69	0.21	3.12	1.14	1.13	0.51	0.98	0.11	...	...	...	...	0.40	...	0.03	...	0.40	
		Arraiah	0.55	1.00	1.02	3.50	...	1.90	1.65	0.36	...	0.30	2.50	...	...	...	...	...	0.67	...	...	...	
	North Bhagulpore.	Purneah	0.05	0.07	0.99	2.15	3.00	0.74	1.63	1.24	...	0.35	1.63	...	0.26	0.28	...	0.29	...	0.02	...	...	
		Maddapore	0.11	0.21	1.31	...	1.52	...	0.56	1.35	...	0.70	0.44	0.09	...	...	...	...	...	...	...	...	
	Durbhunga	Soopool	0.02	...	0.40	0.24	0.82	...	3.81	...	...	0.41	0.20	...	...	...	...	...	...	...	...	...	
		Tajpore	...	0.53	0.92	0.45	...	2.26	1.45	...	...	0.29	...	0.16	...	...	...	...	...	...	...	0.13	
	Mozufferpore	Durbhunga	0.34	0.03	0.24	0.16	1.34	0.08	0.35	0.34	...	0.06	0.08	0.51	...	...	...	...	...	...	...	...	
		Madhubani	0.60	...	0.24	1.06	0.04	1.26	0.11	2.18	...	...	0.66	0.22	...	...	...	...	...	...	...	...	
	Saran	Sitamarhi	...	...	...	...	1.35	2.12	0.51	3.83	...	...	...	...	...	...	0.21	...	0.12	...	...	0.42	
		Mozufferpore	...	0.05	0.35	0.85	0.20	0.45	0.30	0.06	0.04	0.03	...	0.09	...	0.45	...	...	...	...	...	0.37	
	Chumpanun	Hajipore	...	0.20	0.31	0.68	...	1.08	5.91	0.88	1.75	0.22	0.13	0.21	...	...	...	...	...	...	...	...	
		Motihari	...	...	...	...	0.09	3.80	2.70	0.29	0.09	...	0.17	...	...	...	1.92	...	0.08	...	...	...	
	Saran	Bettiah	0.65	...	...	1.15	0.32	4.00	0.82	0.28	...	1.00	...	...	...	0.16	...	0.63	0.05	0.01	...	...	
		Gopalgunge	...	0.80	0.80	0.02	0.98	5.71	0.78	0.14	...	0.16	0.02	...	...	...	...	...	0.34	...	...	0.13	
	SOUTH BEHAR	Shahabad	Sewan	...	0.63	0.17	0.15	0.25	0.60	0.12	0.50	0.02	0.76	0.21	...	0.38	...	...	...	...	...	...	0.10
			Chupra	...	0.35	0.43	...	1.29	1.32	1.96	...	...	1.00	0.32	...	...	0.38	...	...	...	...	...	...
Buxa			...	0.14	0.64	0.21	...	1.00	1.22	...	...	0.20	0.80	...	0.23	...	...	...	0.15	...	...	...	
Dehree			...	1.08	2.68	...	...	0.18	0.62	...	...	1.60	0.35	...	...	0.30	...	...	1.95	0.10	...	...	
Gya		Bhutocah	...	0.40	0.55	...	0.05	0.02	...	0.32	0.02	0.70	0.35	...	...	...	2.65	1.00	...	...	...	...	
		Sasseram	0.17	0.08	0.45	0.06	0.17	0.16	...	...	...	1.10	0.24	...	...	...	0.15	1.12	...	...	...	...	
		Arraiah	...	...	0.45	0.30	0.08	2.45	1.65	0.96	0.07	0.39	0.62	0.14	0.23	...	...	...	1.17	...	...	...	
		Aurungabad	...	1.33	2.26	...	...	0.10	0.28	...	0.50	0.51	0.58	...	...	...	...	1.18	0.20	...	...	...	
Patna		Gya	0.05	0.17	0.38	1.33	0.03	1.34	0.20	0.53	0.06	0.73	0.08	...	...	0.40	0.46	0.03	0.16	...	0.04		
		Nowadah	...	0.58	0.18	...	...	0.48	0.08	1.00	...	0.14	0.29	...	0.37	...	0.47	0.11	...	...	...	...	
		Jehanabad	...	0.20	0.82	0.28	...	...	2.09	...	1.45	0.12	0.45	...	...	...	...	...	...	...	...	...	
		Patna	...	0.47	0.10	0.55	...	0.25	2.77	0.65	0.60	0.29	0.21	1.95	...	...	...	...	...	...	...	...	
Monghyr		Dinapore	...	0.32	0.21	0.18	...	1.55	1.08	0.10	0.83	0.67	0.15	0.31	...	...	...	...	...	...	...	...	
		Belhar	...	0.06	0.20	0.62	0.03	...	0.85	...	0.09	0.59	0.20	0.58	...	...	...	0.37	0.65	...	...	...	
		Barr	...	0.30	0.11	1.45	0.15	0.62	0.95	0.15	0.06	1.09	0.29	0.35	0.15	...	...	...	0.03	...	...	...	
		Begoesra	0.60	0.83	0.34	...	1.12	...	...	...	0.19	...	0.15	0.42	...	...	...	0.30	...	...	...	...	
South Bhagulpore.		Monghyr	...	0.50	0.57	0.18	0.22	...	1.34	0.21	...	0.29	0.56	1.11	0.19	1.32	...	0.69	0.07	...	...	0.05	
		Jamui	1.12	0.69	...	...	0.62	0.37	0.22	0.45	1.15	0.17	0.19	0.33	...	0.21	...	...	0.20	...	...	...	
		Bhagulpore	...	0.18	1.15	0.24	0.09	0.06	...	0.46	...	...	1.60	0.35	0.45	...	...	0.42	...	0.14	...	0.01	
		Banka	...	0.45	0.20	...	...	0.50	...	...	...	...	0.20	0.30	...	...	...	0.52	0.15	0.25	...	0.20	
Sonthal Pergunahs.	Rajmehal	...	0.62	1.40	1.18	0.43	...	...	0.25	0.26	...	0.12	...	0.15	...	0.33	0.32	...	0.02	...	0.15		
	Godda	...	0.71	0.54	...	...	0.15	...	0.57	0.58	...	0.65	0.16	...	1.19	...	0.82	0.24	0.05	...	...		
	Pakour	0.21	0.21	0.30	0.46	...	...	...	0.19	0.06	...	0.18	...	0.10	...	0.07	0.93	...	0.05	...	...		
	Nya Doomka	0.61	0.76	0.67	0.07	...	0.20	...	0.46	...	...	0.48	0.18	0.04	...	...	0.23	0.07	0.01	0.50	0.19		
CHUTIA NAGPUR.	Deognur	0.15	0.39	0.70	...	...	0.16	...	...	...	0.28	0.79	0.61	...	...	...	0.81	0.12	0.97	...	0.62		
	Jamruti	0.14	1.07	0.17																			

Bengal in July 1884—concluded.

	21	22	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heavyest rainfall during the month.	Total rainfall from 1st January 1884 to 31st July 1884.	Average rainfall from 1st January 1884 to 31st July 1884.	Station.	District.	Meteorological division.
243	0.10	0.19	.....	0.40	0.33	.....	0.09	0.14	0.12	.....	21	20.6	7.05	10.39	2.15	30.32	56.90	Pabna	Pabna	NORTH BENGAL.	
245	0.04	.....	.....	0.03	0.03	.....	0.42	.....	0.80	0.50	18	15.2	10.12	11.34	1.30	30.53	35.67	Sherpore	Bogra		
246	0.14	.....	.....	0.16	0.04	0.33	1.23	.....	0.18	.....	18	20.1	8.57	11.44	1.60	30.45	35.97	Nowkhills.	Bogra		
247	0.80	.....	.....	0.06	0.04	0.14	1.03	.....	0.11	.....	18	10.0	8.77	10.43	2.08	30.52	36.48	Boera, Panchbibi.	Bogra		
248	0.04	.....	.....	0.31	0.32	.....	1.01	0.09	0.11	.....	19	20.0	7.00	11.40	1.78	25.78	32.22	Beaulah	Rajshahye.		
249	0.08	.....	.....	0.09	0.09	.....	2.20	0.14	0.50	.....	12	14.0	7.69	12.10	2.29	31.45	34.19	Natore, Nowgong.	Rajshahye.		
250	0.06	.....	.....	0.13	0.25	0.04	0.12	0.05	0.35	.....	22	10.6	5.39	10.42	0.86	25.23	27.07	Maldah	Maldah.		
251	0.08	0.06	.....	0.13	.....	0.20	0.18	.....	0.22	.....	17	10.5	4.80	9.31	1.07	25.94	32.61	Mohadehpore	Dinag-pore.		
252	.....	.....	.....	0.03	0.03	.....	0.25	0.14	.....	.....	12	17.4	8.47	9.14	2.00	31.79	25.85	Churamon.	Dinag-pore.		
253	0.09	.....	.....	0.08	0.10	0.22	0.41	0.62	0.04	.....	20	10.8	10.39	11.12	1.97	26.38	34.05	Saizunge.	Dinag-pore.		
254	0.09	.....	.....	0.11	0.31	.....	0.19	0.06	.....	0.04	22	10.3	7.07	14.90	1.49	27.22	43.28	Dinag-pore.	Dinag-pore.		
255	.....	.....	.....	0.04	0.17	0.09	0.32	0.65	0.09	.....	19	.....	7.08	7.15	1.74	29.82	27.38	Bhawanizunge (Gyabanda).	Rangpore.		
256	.....	.....	.....	0.30	1.80	1.12	.....	.....	.....	.....	19	18.8	7.72	10.45	1.95	42.29	22.95	Rangpore.	Rangpore.		
257	0.03	.....	.....	0.06	0.39	0.88	0.12	.....	.....	.....	13	14.0	4.91	14.07	1.12	41.37	55.82	Korigram.	Rangpore.		
258	.....	.....	.....	0.25	0.38	.....	0.38	.....	.....	.....	17	10.6	10.10	13.47	2.47	40.21	56.52	Badogra.	Rangpore.		
259	.....	.....	.....	0.09	0.53	0.88	0.12	.....	.....	.....	17	10.6	10.10	13.47	2.47	40.21	56.52	Badogra.	Rangpore.		
260	.....	.....	.....	0.21	0.36	.....	2.34	0.12	.....	.....	18	21.9	19.29	24.72	4.37	59.73	72.00	(Nalpanewri).	Rangpore.		
261	.....	.....	.....	0.04	0.09	0.39	0.52	.....	.....	.....	20	19.2	8.10	17.01	1.39	41.51	60.32	Dinhatia	Cooch Behar.		
262	0.12	0.06	1.15	0.48	0.10	1.90	0.10	.....	.....	.....	17	20.1	18.28	22.70	3.90	50.90	81.44	Cooch Behar.	Cooch Behar.		
263	0.18	0.03	.....	0.02	0.04	0.35	0.45	1.04	.....	.....	17	19.8	13.27	20.63	3.35	61.13	69.00	Miekiungoo.	Cooch Behar.		
264	3.23	0.03	.....	0.05	0.04	0.35	0.45	1.04	.....	.....	20	21.4	15.51	21.67	3.97	64.63	74.74	Matabhanga.	Cooch Behar.		
265	0.40	0.06	1.15	0.48	0.10	1.90	0.10	.....	.....	.....	21	25.0	40.47	48.01	9.00	98.74	120.30	Buxa	Darjeeling Hill.		
266	0.18	0.03	.....	0.02	0.04	0.35	0.45	1.04	.....	.....	22	.....	32.33	.....	7.65	60.30	.....	Siliguri.	Darjeeling Hill.		
267	0.00	0.30	.....	0.45	0.09	0.09	1.45	0.29	1.19	0.14	24	27.0	30.08	29.88	4.26	64.29	68.84	Darjeeling.	Darjeeling Hill.		
268	0.00	0.30	.....	0.45	0.09	0.09	1.45	0.29	1.19	0.14	24	27.0	30.08	29.88	4.26	64.29	68.84	Kalimpong.	Darjeeling Hill.		
269	0.00	0.30	.....	0.45	0.09	0.09	1.45	0.29	1.19	0.14	24	27.0	30.08	29.88	4.26	64.29	68.84	Kalimpong.	Darjeeling Hill.		
270	0.00	0.30	.....	0.45	0.09	0.09	1.45	0.29	1.19	0.14	24	27.0	30.08	29.88	4.26	64.29	68.84	Kalimpong.	Darjeeling Hill.		
271	0.00	0.30	.....	0.45	0.09	0.09	1.45	0.29	1.19	0.14	24	27.0	30.08	29.88	4.26	64.29	68.84	Kalimpong.	Darjeeling Hill.		
272	0.00	0.30	.....	0.45	0.09	0.09	1.45	0.29	1.19	0.14	24	27.0	30.08	29.88	4.26	64.29	68.84	Kalimpong.	Darjeeling Hill.		
273	0.00	0.30	.....	0.45	0.09	0.09	1.45	0.29	1.19	0.14	24	27.0	30.08	29.88	4.26	64.29	68.84	Kalimpong.	Darjeeling Hill.		
274	0.00	0.30	.....	0.45	0.09	0.09	1.45	0.29	1.19	0.14	24	27.0	30.08	29.88	4.26	64.29	68.84	Kalimpong.	Darjeeling Hill.		
275	0.40	0.06	1.15	0.48	0.10	1.90	0.10	.....	.....	.....	12	15.9	7.11	11.94	1.52	17.47	26.47	Maddapore	North Bhagal-pore.		
276	0.18	0.03	.....	0.02	0.04	0.35	0.45	1.04	.....	.....	13	16.6	7.23	11.36	3.81	17.98	26.91	Soopool.	North Bhagal-pore.		
277	0.18	0.03	.....	0.02	0.04	0.35	0.45	1.04	.....	.....	13	13.9	8.08	11.75	2.26	17.15	22.50	Tajpore	Durbhunga.		
278	0.18	0.03	.....	0.02	0.04	0.35	0.45	1.04	.....	.....	13	14.2	4.67	11.40	1.34	14.41	24.19	Durbhunga.	Durbhunga.		
279	0.18	0.03	.....	0.02	0.04	0.35	0.45	1.04	.....	.....	12	14.4	7.66	9.99	2.18	18.78	24.11	Madhubani.	Durbhunga.		
280	0.18	0.03	.....	0.02	0.04	0.35	0.45	1.04	.....	.....	10	11.2	10.05	10.36	3.83	20.68	23.55	Sitamarhi	Mozufferpore.		
281	0.18	0.03	.....	0.02	0.04	0.35	0.45	1.04	.....	.....	16	15.8	7.05	10.62	2.23	16.94	22.90	Mozufferpore.	Mozufferpore.		
282	0.18	0.03	.....	0.02	0.04	0.35	0.45	1.04	.....	.....	14	17.0	11.48	11.49	5.01	21.40	22.11	Hajipore.	Mozufferpore.		
283	0.18	0.03	.....	0.02	0.04	0.35	0.45	1.04	.....	.....	10	13.0	9.24	10.01	3.86	22.24	23.24	Motihari	Chumpanan.		
284	0.18	0.03	.....	0.02	0.04	0.35	0.45	1.04	.....	.....	10	13.2	11.39	12.05	4.09	23.52	24.75	Bettiah.	Chumpanan.		
285	0.18	0.03	.....	0.02	0.04	0.35	0.45	1.04	.....	.....	16	15.6	13.25	12.94	5.71	25.03	25.16	Gopalgunge	Satna.		
286	0.18	0.03	.....	0.02	0.04	0.35	0.45	1.04	.....	.....	17	16.4	6.25	11.39	2.08	11.61	22.51	Sewan.	Satna.		
287	0.18	0.03	.....	0.02	0.04	0.35	0.45	1.04	.....	.....	12	13.6	9.25	10.16	1.96	10.22	10.76	Chupra.	Satna.		
288	0.18	0.03	.....	0.02	0.04	0.35	0.45	1.04	.....	.....	14	17.9	6.94	11.31	1.22	11.62	18.56	Buxar	Shahabad		
289	0.18	0.03	.....	0.02	0.04	0.35	0.45	1.04	.....	.....	13	.....	9.04	.....	2.08	10.80	.....	Barh.	Shahabad		
290	0.18	0.03	.....	0.02	0.04	0.35	0.45	1.04	.....	.....	13	15.2	8.06	13.18	2.65	0.82	20.32	Bhainsa.	Shahabad		
291	0.18	0.03	.....	0.02	0.04	0.35	0.45	1.04	.....	.....	13	18.8	6.65	12.00	1.40	8.68	19.69	Sasseram.	Shahabad		
292	0.18	0.03	.....	0.02	0.04	0.35	0.45	1.04	.....	.....	14	17.7	9.09	12.31	2.45	14.21	22.60	Arrah.	Shahabad		
293	0.18	0.03	.....	0.02	0.04	0.35	0.45	1.04	.....	.....	11	15.4	7.55	12.04	2.21	13.46	20.21	Aurangabad	Gya.		
294	0.18	0.03	.....	0.02	0.04	0.35	0.45	1.04	.....	.....	23	18.7	7.80	11.50	1.34	11.33	21.92	Gya.	Gya.		
295	0.18	0.03	.....	0.02	0.04	0.35	0.45	1.04	.....	.....	13	14.4	5.46	11.62	1.90	8.43	21.23	Nowadah.	Gya.		
296	0.18	0.03	.....	0.02	0.04	0.35	0.45	1.04	.....	.....	8	13.9	5.79	11.88	2.09	10.48	20.15	Jehanabad.	Gya.		
297	0.18	0.03	.....	0.02	0.04	0.35	0.45	1.04	.....	.....	12	18.1	6.49	10.92	2.77	15.67	20.51	Patna	Patna.		
298	0.18	0.03	.....	0.02	0.04	0.35	0.45	1.04	.....	.....	13	16.0	7.26	10.70	1.98	16.00	20.50	Dinapore.	Patna.		
299	0.18	0.03	.....	0.02	0.04	0.35	0.45	1.04	.....	.....	16	18.5	4.49	12.79	0.85	19.29	23.52	Behar.	Patna.		
300	0.18	0.03	.....	0.02	0.04	0.35	0.45	1.04	.....	.....	20	14.5	8.35	12.90	2.50	14.42	21.98	Barh.	Patna.		
301	0.18	0.03	.....	0.02	0.04	0.35	0.45	1.04	.....	.....	12	17.1	6.35	10.80	1.55	12.39	20.84	Bogoverai	Monghyr.		
302	0.18	0.03	.....	0.02	0.04	0.35	0.45	1.04	.....	.....	20	10.1	8.05	11.29	1.34	16.87	21.94	Monghyr.	Monghyr.		
303	0.18	0.03	.....	0.02	0.04	0.35	0.45	1.04	.....	.....	17	17.9	7.66	11.96	1.15	15.51	22.95	Jamui.	Monghyr.		
304	0.18	0.03	.....	0.02	0.04	0.35	0.45	1.04	.....	.....	19	19.0	10.11	11.13	3.47	24.31	24.40	Bhagulpore	South Bhagal-pore.		
305	0.18	0.03	.....	0.02	0.04	0.35															

METEOROLOGICAL AND RAINFALL SUMMARY OF THE PROVINCE OF  
BENGAL FOR THE MONTH OF JULY 1884.

The month of July is one of the most important of the year from a meteorological point of view. It usually witnesses the complete establishment of the two great branches of the monsoon current. So far as Bengal is concerned, the Bay of Bengal branch is the most important. It advances from south-west or west-south-west over the south of the Bay, and is gradually deflected as it proceeds northwards up the Bay by the line of the east coast and the adjacent hills. It hence blows most strongly over the eastern half of the Bay, and gives rise to much rain and squally weather in the neighbourhood of the Burmah and Aracan coasts. As has been pointed out more than once in previous reports, the south-west monsoon winds are by no means steady. They blow vigorously for a few days, giving more or less general rain, then fall off in strength, when the rainfall is more or less local in character, and again come up in force. The succession of periods of strong winds and general rainfall, and of weak winds and local rainfall, is one of the most important features of the rains. Each burst of strong winds appears to commence in the south and centre of the Bay, and travels northwards along the eastern half of the Bay, giving rise to rain-squalls and frequently to large atmospheric whirls or eddies, or small cyclonic storms in the front of the advancing strong air and moisture current. These whirls hence form generally near the head of the Bay, and pass landwards, very shortly after they give indications of their existence by the shifting of the winds in South-West Bengal to directions between north-east and north-west. Their passage into the interior is followed by the prevalence of strong humid winds over the Province. It depends to a large extent upon the character of the whirls, that is, whether they are concentrated or diffused, whether the rainfall that accompanies them, falls mainly in the neighbourhood of the track of the centre, or is widely distributed over the greater part or the whole of the Province. There is a very marked tendency for these small cyclonic storms to pass landward across the Balasore coast, and if this tendency is increased by the persistence of relatively low pressure in Orissa, it may happen, as during the past month, that a succession of these storms may form in the same part of the Bay, and advance towards the same part of the Orissa coast along the same path.

The Arabian Sea branch of the monsoon current exercises a considerable influence on the rainfall in Bengal and Behar during the month. It usually advances almost due west across the Bombay coast and the north of the Peninsula; and hence meets and intermingles with the Bay of Bengal branch near its western and southern limits in Orissa, Chutia Nagpur and Behar. The area over which this interaction takes place varies greatly with the relative strengths of the two currents. Over this area there is undoubtedly much ascensional motion of the air, which necessarily produces aqueous vapour condensation and rainfall.

The Bay of Bengal branch of the monsoon current, if it alone prevailed, would undoubtedly deposit its vapour as rain chiefly in the neighbourhood of the sea coast, and the hills of East and North Bengal and North Behar. The Arabian Sea branch intermingling with the former tends to give rainfall more especially to Chutia Nagpur, South Behar, and West Orissa, that is, to those districts which would receive scanty rain from the direct action of the Bay of Bengal branch. In other words, the action of the two branches combined in ordinary seasons is to give fairly uniform rainfall over the whole also Province. This explanation also indicates briefly the probability that the area of minimum rainfall of the Province will be situated in the central districts of Bengal, which are least influenced by the two chief actions giving rainfall to the Province during the month.

Hence the two most important features of the meteorology of the month are, first, the character and intensity of the two branches of the monsoon current; secondly, the occurrence, character, and paths of the small cyclonic storms of the month.

*Average distribution of the rainfall in July.*—The average rainfall of the month of July exceeds twenty inches in the coast districts of East Bengal, and also at the foot of the Assam and Darjeeling hills. The line of twenty inches hence runs parallel to the north-east coast of the Bay, its distance from the coast increasing eastwards. Another portion of this line runs nearly east and west parallel to the Darjeeling hills and immediately to the south of the Julpigoree and Cooch Behar districts. The line of fifteen inches average rainfall starts from Saugor Island, runs nearly east-north-east to the neighbourhood of the Tipperah hills, when it bends and runs to the north-west through Bogra and Dinagepore. Between this line and a line running from Motihari in North Behar almost due south-east parallel to the fifteen-inch line to Rajmehar, and thence through Jessore along the borders of the Chutia Nagpur district into South Behar, the rainfall varies between twelve and fifteen inches. In the area occupied by the central districts of Behar, almost enclosed by the twelve-inch line, the rainfall varies between twelve and ten inches. Within this area there are two smaller areas of interest: the first is the area of absolute maximum average rainfall of the month, which includes the Jessore district and a considerable portion of the Jessore, Nuddea and Burdwan districts. The average rainfall of this area varies between nine and ten inches.



The second area includes Patna and Behar in which the average rainfall slightly exceeds twelve inches.

The Chutia Nagpur Division and the adjacent districts of South Behar received an average rainfall between twelve and fifteen inches.

*Character of the two branches of the monsoon current.*—This can at present only be judged roughly. The Bombay branch has been undoubtedly weak, and is confined within narrower limits than usual. It has given very scanty rainfall in Ceylon and Southern India, moderate rainfall over the greater part of the Bombay Presidency, and heavy rainfall over the Central Provinces. It has had very little influence over the rainfall of Bengal and the greater part of the Gangetic valley. The Bay of Bengal branch has apparently been slightly weaker than usual. It has extended over a larger area, and hence has given less rainfall over the greater part of the area it supplies than the normal. Its direction in Bengal has been modified by two circumstances—first, the weakness of the Bombay branch of the monsoon current; and secondly, the persistence of unusually low pressure in Orissa. This has caused the winds in South Bengal to blow from directions much more easterly than is usual, and hence has helped to drain away the moisture from North Bengal and North Behar. The chief feature of the south-west monsoon current during the past month has been the unusually large number of feeble rushes up the Bay. These have all commenced as strong winds in the south of the Bay, and advanced up the eastern half of the Bay. They all gave rise to squally weather and rain off the Burmah and Aracan coasts, and to much eddying or rotatory motion in front, and developed into feeble cyclonic storms near the head of the Bay. Five formed and passed landwards during the month. All crossed the Orissa coast. Four out of the five crossed the same part of the coast in the immediate neighbourhood of Balasore.

*Barometric depressions and storms of the month.*—They were six in number, of which five formed near the head of the Bay, and the sixth in South Bengal.

1st.—The first storm formed at the head of the Bay in the last week of June. It was briefly described in last month's report. It advanced across the Balasore coast on the 1st of July, and passed through Chutia Nagpur and South Behar in the North-West Provinces. It gave moderately heavy rain to the whole Province until the 6th and 7th. The rainfall was heaviest in Behar.

2nd.—The formation of the second storm was indicated on the 8th by a rapid fall of the barometer at Akyab, and on the 9th by the usual shift of winds in South-West Bengal. It crossed the Orissa coast on the afternoon of the 10th, and marched westwards across the North Orissa hills into the Central Provinces. It gave general rain to the whole Province from the 11th until the 13th, which was heaviest in the western districts of South-West Bengal and in Chutia Nagpur.

3rd.—The third depression of the month was indicated by a rapid fall of the barometer at Akyab on the 14th. It formed rapidly, and advanced westwards, crossing the South Orissa coast between False Point and Gopalpore on the afternoon of the 15th. It brought moderate supplies of vapour into the Province, and gave general rain on the 16th and 17th.

4th.—The fourth depression began to form at the head of the Bay on the 18th. There was apparently little strength in the southerly winds feeding it. It did not develop any further until the 20th or 21st, and continued in almost the same position near the Sandheads during that interval. It increased in intensity on the 21st, and passed across the Balasore coast on the evening of the 22nd. It was broken up by the North Orissa hills, and gave very brief and moderate rain to the Province, except in the North Orissa and Midnapore districts where heavy rain was received.

5th.—The fifth whirl of the month began to form on the 24th. It gained strength very rapidly, and advanced across the Balasore coast on the morning of the 25th, in less than 24 hours after it first influenced the winds on the Bengal and Orissa coasts. It brought up larger supplies of vapour, and gave heavy rainfall chiefly in East and South Bengal.

6th.—The heavy rain which followed the advance of the last cyclonic storm gave rise to a small land-formed depression in the Jessore district on the 28th. It advanced slowly westwards across the Burdwan and Midnapore districts into Chutia Nagpur and South Behar, and thence into the North-Western Provinces, where it filled up. The centre was near Calcutta on the morning of the 29th. It gave moderately heavy and general rainfall over South Bengal on the 28th, 29th, and 30th.

*Temperature.*—The characteristic feature of the weather of the past month was the large number of feeble rushes of south-west monsoon winds up the Bay into Bengal, each giving two or three days of moderate and fairly general rain, separated by intervals of three or four days of warm sultry weather. Hence the temperature varied rapidly, and within wider limits than is usual in July, more especially in Behar and North Bengal. High maximum temperatures were hence registered during the month. Amongst the highest were the following:—

Motihari	...	...	...	...	99.7° on the 20th
Raneegunj	...	...	...	...	99.0° on the 19th
Gya	...	...	...	...	98.7° on the 18th
Patna	...	...	...	...	98.0° on the 1st
Mozufferpore	...	...	...	...	96.8° on the 21st

The period from 18th to the 21st was very hot and sultry over the greater part of Behar.



*Rainfall.*—The rainfall of the past month was considerably in defect over the greater part of the Province, and was very unequally and irregularly distributed both as to time and locality.

It has been already pointed out that the monsoon was weak during the past month, and that it brought up rain in moderate amounts by a succession of feeble intrushes. Each large influx of aqueous vapour was preceded by the formation of a small storm near the head of the Bay, which advanced westwards across the Balasore coast, and hence tended to draw the rainfall to the areas over which it passed, and therefore to diminish the rainfall over the more distant portions of the Province in Central and North Bengal and North and Central Behar. A reference to the Meteorological Tables will show that the deficiency in the rainfall was due almost entirely to the lightness of the showers, and not to any marked decrease in the number of rainy days. For example, in North Bengal, where the rainfall was nearly 33 per cent. in defect, the number of rainy days was 17, the normal number being 18.

The following give the periods of general rainfall in the Province during the month, and represent the periods of influx of aqueous vapour, and of aqueous vapour condensation and rainfall over the Province:—

First period from the 1st to the 3rd, when heavy rain fell in Orissa and Midnapore, and moderate rain over the remainder of the Province.

Second period from the 5th to the 8th, when moderate to heavy general rain occurred in East and North Bengal and Behar. Some large amounts were registered in the Julpigori and Cooch Behar districts and in North Behar, of which the following were the chief:—

Siligori on the 5th ... 6.5 inches.	Gopalgunge on the 7th... 5.71 inches.
Matabhanga on the 7th... 5.97 "	Hajeeopore " " ... 5.01 "

Third period from the 10th to the 13th, during which rain was received over the whole Province. It was heaviest in the western districts of South-West Bengal and in Chutia Nagpur.

Fourth period from the 14th to the 17th, when moderate rain fell over the whole Province, except in the central and western districts of Behar.

Fifth period from the 19th to the 21st, when moderate rain was received in Orissa, East and South-West Bengal, Chutia Nagpur, and the Sonthal Pergunnahs.

Sixth period from the 24th to the 26th. The influx during this period gave heavy rain in North Orissa and light to moderate rain over the whole Province, except the western districts of North and South Behar. The following were the largest falls recorded during this burst:—

Jellasure ... 5.00 inches on the 24th	Baripoda ... 4.71 inches on the 24th.
Saugor Island ... 4.34 inches on the 25th.	

Seventh period from the 26th to the 29th, which gave moderate to heavy rain over the whole Province, with the exception of one or two districts in Behar.

Some heavy rainfalls were received on the 28th in Bengal, amongst which were the following:—

Siligori ...	7.65 inches.
Darjeeling ...	4.26 "
Hooghly ...	3.91 "
Azingunj ...	3.64 "
Bhagulpore ...	3.47 "

The distribution of the rainfall of the month is so irregular that it is not possible to describe it accurately. The rainfall exceeds 20 inches on the Bengal coast, and in Julpigori and the greater part of the Cooch Behar district. Over a comparatively narrow area in North Behar, North and East Bengal, South Bengal, Orissa and the southern districts of Chutia Nagpur, it varied between 20 inches and 8 inches. Over the whole of the interior, including Shahabad, Gya, Patna, Monghyr, Durbhunga, Mozufferpore, the northern part of the Sonthal Pergunnahs, Maldah, Dinagepore, Moorshedabad, Burdwan, Nuddea, Rajshahye, Bogra, Pubna, and parts of Rungpore, Mymensingh, Furreedpore, Jessore, and Dacca the total rainfall of the month was less than eight inches in amount. The following small areas in the large area included by those districts had less than six inches of rain during the month, and hence represent the districts of least rainfall during the month.

*First.*—The area covered by Sasseram, Jehanabad, Behar and Nowadah in South Behar.

*Second.*—The area represented by the stations of Maldah, Pakour and Mohadebpore in North Bengal.

*Third.*—The area represented by Magoorah and Narail in South-West Bengal.

The rainfall of the month was in excess over a large part of Orissa, the southern districts of Chutia Nagpur, the Midnapore districts of South-West Bengal, and along the Bengal coast from Saugor Island to Noakholly, and locally in the Purneah district and at the foot of the hills in the Cooch Behar district. It was in defect over the remainder of the Province. The deficiency was most marked over Central Behar, Central Bengal and the Mymensingh and Dacca districts of East Bengal, over the whole of which it exceeded four inches. The deficiency exceeded six inches in the following areas:—

*First.*—The area represented by the stations of Behar (where the deficiency was 8.3 inches), Nowadah, Jehanabad and Sasseram in South Behar.

*Second.*—A small area represented by Mozufferpore in North Behar.

*Third.*—An area represented by the stations of Bogra, Jamalpore, Mymensingh, Kishoregunge, Moonshigunge, Magoorah and Madaripore, and hence including the greater part of the Bogra, Mymensingh, Dacca and Furreedpore districts. The deficiency in this area was greatest at Mymensingh, for which it was 8·7 inches.

*Fourth.*—An area represented by the stations of Dinagepore, Rungpore, Dinhatta, Cooch Behar and Matabhanga, and including a large portion of the Dinagepore, Rungpore and Cooch Behar districts. The deficiency was greatest at Kurigram, for which it was 10·1 inches.

The following table gives full data for the comparison of the actual and the normal rainfall of the month of July in all districts of the Province. The figures are derived from the average and actual rainfall of the rain-recording stations in each district, due allowance or weight being made for the area which each station represents. This gives a more accurate average than the arithmetical means given in the weekly and monthly meteorological tables. The first column gives the normal or average district rainfall as determined from the rainfall observations of the past 15 years. The second column gives the actual district rainfall as determined from the weighted actual rainfalls of the month at the reporting stations in each district. The third column expresses the ratio of the actual district rainfall of the past month to the normal rainfall as a percentage. The fourth column gives the same information as the third column in a slightly different form. It states as a percentage how much the district rainfall of the month varied in excess or defect from the normal rainfall, and is hence the difference between the numbers in the third column and 100:—

DIVISION.	District.	Normal district rainfall, July.	Actual district rainfall, July 1884.	Percentage of actual to normal rainfall.	Percentage excess (+) or defect (—).
ORISSA	Pooree ...	11·20	11·20	100	0
	Cuttack ...	12·49	9·34	75	—25
	Balasore ...	12·69	12·75	100	0
SOUTH-WEST BENGAL.	Midnapore ...	12·46	19·50	157	+56
	24-Pergunnahs ...	12·84	12·08	94	—6
	Howrah ...	12·89	10·89	84	—16
	Hooghly ...	12·08	10·04	83	—17
	Burdwan ...	11·65	7·98	68	—31
	Bancoora ...	12·41	11·50	93	—7
	Beerbhoom ...	12·61	9·96	79	—21
	Moorshedabad ...	10·51	7·79	74	—26
	Nuddea ...	10·15	7·10	70	—30
	Jessore ...	10·35	6·33	61	—39
EAST BENGAL	Khoolna ...	13·02	12·80	98	—2
	Chittagong ...	27·84	19·56	70	—30
	Backergunj ...	18·65	15·86	85	—15
	Nonkholly ...	20·99	21·87	104	+4
	Furreedpore ...	12·67	7·96	63	—38
	Dacca ...	13·22	8·45	64	—36
	Comillah ...	15·64	13·92	89	—11
	Mymensing ...	14·17	8·25	58	—42
NORTH BENGAL	Pubna ...	10·97	.....	.....	.....
	Bogra ...	14·28	9·06	63	—37
	Rajshahye ...	11·78	7·36	62	—38
	Maldah ...	10·42	5·59	53	—47
	Dinagepore ...	12·11	7·66	63	—37
	Rungpore ...	14·48	8·78	61	—39
	Cooch Behar ...	20·53	14·00	68	—32
NORTH BEHAR	Julpigori ...	.....	.....	.....	.....
	Purneah ...	15·37	17·44	113	+13
	North Bhagulpore ...	11·59	7·18	62	—38
	Durbhunga ...	10·90	6·70	62	—38
	Mozufferpore ...	10·74	9·23	86	—14
SOUTH BEHAR	Chumparun ...	11·78	10·55	90	—11
	Sarun ...	11·21	9·33	83	—17
	Shahabad ...	12·02	7·32	61	—39
	Gya ...	11·71	6·92	59	—41
	Pubna ...	11·59	6·22	54	—47
	Monghyr ...	11·48	7·91	69	—31
CHUTTA NAOPUR	South Bhagulpore ...	10·83	7·30	67	—34
	Sonthal Pergunnahs ...	12·30	8·42	68	—32
	Hazaribagh ...	12·72	7·78	61	—39
	Lohardugga ...	12·66	10·79	84	—15
	Singbhoom ...	14·54	18·13	125	+25
	Manbhoom ...	11·36	11·21	100	0

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the month of July 1884:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.							RAINFALL.						
	Highest observed during month.	Lowest observed during month.	Averages for month.			Average mean of month above or below normal mean of month.	Of month.			Rainy days.			Since 15th May 1884.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in month.	Normal average number in month.	Variation.	Average.	Normal average.
Orissa	93.9	74.6	87.6	79.0	83.3	-0.3	12.10	13.10	-1.00	18.1	17.1	+1.0	23.23	24.07
South-West Bengal	99.0	74.8	89.4	78.8	84.1	-0.1	10.04	11.50	-1.85	19.2	19.7	-0.5	22.04	24.98
East Bengal	95.3	68.2	86.7	76.3	81.5	-1.3	12.71	17.02	-4.31	21.7	22.5	-0.8	36.47	40.60
North Bengal	94.8	74.1	89.5	77.9	83.7	-	9.85	14.36	-4.51	17.1	18.2	-1.1	32.34	38.12
North Behar	99.7	71.3	91.2	78.7	85.0	+0.1	10.29	12.30	-2.01	13.9	15.0	-1.1	19.32	22.76
South Behar	98.7	71.0	90.0	78.6	84.3	+0.2	7.46	12.15	-4.69	16.3	17.6	-1.3	13.50	26.60
Chutia Nagpur	88.0*	69.0*	83.6*	73.0*	78.3*	-0.3*	10.91	13.27	-2.36	21.7	21.3	+0.4	16.02	22.87

\* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL,  
The 12th August 1884.

JOHN ELIOT,  
Meteorological Reporter to the Govt. of Bengal.

## Results of the Meteorological Observations taken at the Alipore Observatory from 3rd to 9th August 1884.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 82° Fahr.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1884.				Inches.	°	°	°	°	°	Inches.	°	%			Inches.	
Aug.	3rd	140.5	2.3	29.456	81.6	84.9	7.9	77.0	78.4	0.933	77.1	87	SSW and variable ...	194	0.54	Chiefly cloudy, o, g, d, p.
"	4th	151.1	2.5	.488	81.8	86.5	9.8	76.7	78.8	.945	77.5	87	SSW and SSE ...	106	0.40	Chiefly cloudy, o, p.
"	5th	150.1	3.5	.438	82.5	86.1	7.9	78.2	79.5	.908	78.2	87	SE and S ...	70	Nil	Chiefly cloudy, o.
"	6th	155.0	3.8	.494	83.3	87.4	8.0	79.4	80.2	.990	78.9	87	S and SSE ...	72	0.04	Chiefly cloudy, o, d, t.
"	7th	153.5	8.4	.564	84.5	89.7	10.5	79.2	80.4	.986	78.8	83	SSW ...	79	Nil	Chiefly cloudy.
"	8th	138.5	Nil	.606	82.2	88.9	10.2	78.7	78.3	.916	76.6	83	SSE ...	80	0.03	Chiefly cloudy, o, d, p.
"	9th	155.6	6.8	.592	82.2	89.0	11.3	77.7	78.8	.939	77.3	85	SE by E and ESE ...	86	0.99	Chiefly cloudy, o, p, t, <.

The mean pressure of the seven days ...

The average pressure of the corresponding period for 24 years, S. G.'s Office ...

The total number of hours of bright sunshine ...

The maximum possible number of hours of sunshine ...

The mean temperature of the seven days ...

The average temperature of the corresponding period for 24 years, S. G.'s Office ...

The extreme variation of temperature ...

The maximum temperature ...

The highest velocity of the wind in one hour ...

The highest pressure of wind on one square foot ...

The mean relative humidity ...

The average relative humidity of the corresponding period for 24 years, S. G.'s Office ...

The total fall of rain from 3rd to 9th August 1884 ...

The average fall of the corresponding period for 24 years, S. G.'s Office ...

The total fall from 1st January to 9th August 1884 ...

The average fall of the corresponding period for 24 years, S. G.'s Office ...

The mean pressure, temperature, &amp;c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No 86 formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions of the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, d drizzling rain, t thunder,  $\Delta$  dew, < lightning, p passing temporary showers.

JOHN ELIOT,

for Meteorological Reporter to the Government of India.

METEOROLOGICAL OFFICE, INDIA,  
Calcutta, the 11th August 1884.



## Meteorological Report of the Province of Bengal.

METEOROLOGICAL DIVISION.	DISTRICT.	Representative station.	STATION OBSERVATIONS.														Average humidity at 10 A. M.	Average cloud amount at 10 A. M. for week.
			AIR PRESSURE.			WIND.		TEMPERATURE.										
			Mean barometric height, 10 A. M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Lowest during week.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 10 A. M. temperature.				
ORISSA.	Pooree ... ..	Gopalpore ...	29.555	29.605	—	S	309	86.6	78.8	85.5	80.7	83.1	—	83.6	79	5.6		
	False Point* ...	... ..	29.572	29.594	—0.046	SW	240	88.5	71.1	85.5	77.2	81.4	—1.6	84.5	78	7.7		
	Cuttack ... ..	Cuttack ...	29.511	29.592	—0.034	Calm	48	92.4	78.8	87.7	77.7	82.7	—1.0	85.3	74	9.4		
	Balasore ... ..	Balasore ...	29.528	29.587	—	WSW	88	89.4	75.7	88.2	78.2	83.2	—	83.9	82	6.7		
	South-West Midnapore ...	Saugor Island ...	29.562	29.588	—0.044	SW	237	89.7	77.5	88.3	79.5	83.9	+0.4	85.3	83	7.7		
SOUTH-WEST BENGAL.	South 24-Pergunnahs ...	Midnapore ...	29.481	29.581	—	NE & S	90.4	90.8	76.3	80.4	78.9	83.7	—	84.9	78	7.3		
	24-Pergunnahs ... ..	Calcutta ...	29.563	29.585	—0.062	SE	99	90.5	76.7	87.8	78.3	83.1	0	85.1	83	9.6		
	Howrah ... ..	Burdwan ...	29.488	29.588	—0.023	ESE	62	92.1	77.4	90.2	79.0	84.7	+0.6	84.3	78	8.3		
	Hooghly ... ..	Ranigunge ...	29.552	—	—	ENE&SE	110.4	96.5	77.3	90.7	78.6	84.7	—	84.4	81	7.7		
	Burdwan ... ..	Berhampore ...	29.528	29.595	—0.051	E & S	102.1	92.2	77.3	89.9	78.7	84.3	+0.1	85.2	81	9.1		
	Bankoora ... ..	...	Observatory not started.															
	Beerbhoom ... ..	Jessore ...	29.575	29.609	—0.027	S	117	91.2	76.9	89.4	78.8	84.1	+0.4	84.9	81	10.9		
	West Burdwan ... ..	Khoolna ...	29.587	29.676	—0.012	SE	109	86.1	75.0	84.5	75.9	80.2	—1.2	82.8	82	6.9		
	Moorsheadabad ... ..	Chittagong ...	29.587	29.676	—0.012	SE	109	86.1	75.0	84.5	75.9	80.2	—1.2	82.8	82	6.9		
	Nuddea ... ..	Chittagong Hill Tracts ...	Demagiri ...	Observations not received.														
EAST BENGAL.	Jessore ... ..	Barrisal ...	29.594	—	—	S	99.1	86.1	76.3	85.0	77.4	81.2	—	82.5	83	9.0		
	Khoolna ... ..	Noakholly ...	29.435	29.679	—	SSE	306.9	86.7	75.3	85.6	77.1	81.4	—	82.5	82	6.9		
	Chittagong ... ..	Noakholly ...	29.590	—	—	SE	138.6	80.5	75.9	87.5	78.2	82.8	—	83.7	81	7.0		
	Chittagong Hill Tracts ...	Furreeedpore ...	29.590	—	—	SE	123	89.3	76.7	88.0	78.4	83.2	—0.4	84.5	84	9.4		
	Backergunge ... ..	Dacca ...	29.602	29.624	—0.014	SE	123	89.3	76.7	88.0	78.4	83.2	—0.4	84.5	84	9.4		
	Noakholly ... ..	Commillah ...	29.610	29.646	—	SE	90.0	89.4	73.3	86.8	76.4	81.6	—	82.3	81	4.3		
	Furreeedpore ... ..	Mymensingh ...	29.585	—	—	SE	124	91.8	77.9	89.7	77.9	83.8	—	84.0	81	7.1		
	Dacca ... ..	Serajunge ...	29.577	29.623	—	E	138.3	90.4	77.8	88.9	78.9	83.9	—	83.5	85	7.7		
	Commillah ... ..	Rampore Beaulah ...	29.499	29.572	—	E	out of order.	90.6	75.6	88.2	77.4	82.8	—	85.0	78	5.6		
	Mymensingh ... ..	Dinagopore ...	29.491	29.610	—	SE	132.6	94.6	77.6	91.8	79.2	85.5	—	85.6	73	4.3		
NORTH BENGAL.	Bogra and Pubna ...	Rungpore ...	29.502	29.626	—	SE	112.9	95.3	77.3	91.9	78.4	86.1	—	85.8	75	4.7		
	Rajshahye ... ..	Julpigoree ...	29.547	29.633	—	NNE	104.0	95.0	75.1	90.6	77.5	84.1	—	84.2	81	6.3		
	Dinagopore ... ..	Cooch Behar ...	29.547	29.633	—	NNE	104.0	95.0	75.1	90.6	77.5	84.1	—	84.2	81	6.3		
	Rungpore ... ..	Darjeeling Hill Districts	Darjeeling ...	22.896	—	—	E	61	71.1	55.1	67.5	56.6	62.0	—	63.5	91	9.3	
	Julpigoree ... ..	Purneah ...	29.478	29.603	+0.003	Calm	34	95.2	76.8	92.0	78.4	85.5	+0.3	85.5	79	9.3		
	Cooch Behar ... ..	North Bhagulpore ...	29.419	—	—	ESE	—	97.3	77.3	94.0	79.3	86.7	—	89.0	75	..		
	Darjeeling Hill Districts	Mozufferpore ...	29.435	29.600	+0.032	ESE	120	94.4	79.0	90.0	80.6	85.3	+0.9	87.2	77	5.0		
	Purneah ... ..	Durbhunga ...	29.364	29.588	—	E	217.3	97.1	77.9	84.0	79.8	86.9	—	88.2	76	5.4		
	Bogra and Pubna ...	Chumparun ...	29.384	—	—	E	73.9	96.0	78.6	93.3	80.3	86.3	—	87.7	76	6.0		
	Rajshahye ... ..	Sarun ...	29.293	29.553	—	ESE	189.7	90.4	77.0	87.1	80.6	83.9	—	86.5	77	5.6		
SOUTH BENGAL.	Shahabad ... ..	Buxar ...	29.530	29.606	—	E	out of order.	93.4	77.7	89.6	79.8	84.8	—	87.4	76	7.4		
	Gya ... ..	Arran ...	29.552	29.644	—	ESE	124.6	96.9	78.6	93.4	80.2	86.8	—	87.3	76	5.0		
	Patna ... ..	Gya ...	29.169	29.642	?	Calm & E	?	97.2	76.3	94.9	77.8	86.3	+2.2	88.2	72	10.0		
	South Bhagulpore ...	Bankipore ...	29.469	29.591	—0.015	E	137	97.5	78.3	93.7	80.5	87.3	+2.1	87.8	75	6.7		
	Moughyr ... ..	Bhagulpore ...	29.565	29.667	—	ESE	76.6	92.4	76.3	90.4	78.3	84.3	—	85.5	77	8.4		
	Sonthal Pergunnahs ...	Doomka ...	29.082	—	—	SE	231	90.1	75.3	88.5	77.3	82.9	—	83.2	91	4.9		
	Hazaribagh ... ..	Hazaribagh ...	27.588	29.674	—0.027	SSE	154	87.5	71.7	84.6	73.3	78.9	+0.7	79.0	80	10.0		
	Lohardugga ... ..	Ranchee ...	27.470	29.577	—	—	—	86.4	70.8	83.0	72.7	77.9	—	79.1	81	8.1		
	Manbhoom ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
	Singbhoom ... ..	Chyabassa ...	28.805	—	—	NE	25.6	90.0	75.7	88.1	76.7	82.4	—	83.8	77	7.0		

*Explanation.—Summary.*—The normal means of air pressure and temperature are the arithmetical averages or means of the readings during the same time. The humidity of the atmosphere is expressed as a percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 100. The normal means of rainfall are the numerical means or averages of the rainfall in that district determined from the returns sent in by the sub-divisions. The total rainfall at the sub-divisional stations in the district sending in returns, divided by the number of stations. A rainy day is one in which the rainfall is at least 0.1 inch.

for the week ending Friday, the 8th August 1884.

Rainfall of week at observing station.	DISTRICT OBSERVATIONS.										Representative station.	DISTRICT.	METEOROLOGICAL DIVISION.
	RAINFALL.												
	Of week.		Since 1st of month.			Since 15th May.			Average number of rainy days.	Normal number of rainy days.			
	Mean for district.	Normal mean.	Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.					
1'33	—	—	—	—	—	—	—	—	—	—	Gopalpore ...	Pooree ...	ORISSA.
1'33	0'99	3'12	1'36	3'62	-2'06	20'56	27'73	-7'20	3'0	3'9	False Point ...	False Point ...	
1'01	1'83	3'19	2'59	3'54	-0'45	22'08	27'65	-4'07	3'0	3'8	Cuttack ...	Cuttack ...	
6'97	3'17	3'07	3'58	3'73	-0'15	31'25	27'79	+3'46	3'0	4'6	Balasore ...	Balasore ...	
1'18	2'04	3'67	2'65	4'07	-1'42	35'17	31'75	+3'42	3'7	5'1	Saugor Island ...	South-West Midnapore ...	SOUTH-WEST BENGAL.
2'36	1'56	3'52	1'56	4'18	-2'02	24'85	28'03	-3'18	3'3	4'6	Midnapore ...	Midnapore ...	
1'77	2'15	3'00	2'15	3'55	-1'40	24'56	28'88	-4'32	4'3	5'2	Calcutta ...	Howrah ...	
1'77	1'11	2'26	1'11	2'79	-1'68	18'94	24'59	-5'65	3	4'1	Burdwan ...	Burdwan ...	
0'73	1'59	2'31	1'59	3'52	-1'93	20'05	29'46	-9'41	3'3	4'6	Ranigunge ...	Bankoora ...	SOUTH-WEST BENGAL.
6'07	0'56	2'53	0'61	3'62	-3'01	18'49	26'44	-7'95	1'7	4'4	Berhampore ...	Beerbhoom ...	
0'82	2'16	0'82	2'64	—	-1'82	19'82	26'62	-6'80	3'0	3'9	.....	West Burdwan ...	
1'55	1'25	2'32	1'44	3'46	-2'02	28'58	30'95	-2'37	4'3	4'9	Jessore ...	Moorshedabad ...	
4'02	6'00	5'52	6'00	6'56	-0'56	65'24	74'05	-8'81	5'5	5'8	Chittagong ...	Khoolna ...	BENGAL.
2'26	5'40	2'26	6'25	—	-3'99	37'62	49'58	-12'56	6'0	5'6	Demagiri ...	Chittagong Hill Tracts ...	
1'67	2'28	4'18	2'35	4'07	-2'62	44'10	47'64	-3'54	4'8	5'8	Barrisal ...	Backergunge ...	
4'43	4'20	6'00	4'50	6'85	-2'35	52'30	65'12	-12'82	6'0	6'0	Noakholly ...	Noakholly ...	
1'52	1'34	3'24	1'38	3'40	-2'11	25'02	33'33	-8'31	3'7	4'7	Furzedpore ...	Furzedpore ...	BENGAL.
1'62	1'58	3'17	1'58	3'08	-2'40	28'03	35'44	-7'41	5'3	4'8	Dacca ...	Dacca ...	
2'42	1'40	4'13	1'49	4'87	-3'38	37'86	41'19	-3'33	3'5	5'3	Commillah ...	Commillah ...	
1'21	1'42	2'06	1'42	3'12	-1'70	32'20	38'95	-6'75	4'0	4'8	Mymensingh ...	Mymensingh ...	
0'35	0'76	2'23	0'76	2'60	-1'84	24'07	36'76	-12'69	2'7	3'9	Serajunge ...	Bogra and Pubna ...	NORTH BENGAL.
0'50	0'34	2'20	0'34	2'91	-2'57	20'19	28'09	-7'90	2'7	4'2	Rampore Beaulah ...	Rajshahye ...	
0'44	1'04	2'59	1'04	2'76	-1'72	25'62	32'08	-6'46	3'5	3'9	Dinapore ...	Dinapore ...	
0'15	1'05	2'34	1'05	2'61	-1'56	32'42	45'33	-12'91	2'5	3'4	Rangpore ...	Rangpore ...	
5'62	2'38	5'09	2'38	5'56	-3'18	67'82	66'19	8'37	3'0	4'7	Julpigoree ...	Julpigoree ...	NORTH BENGAL.
7'34	6'96	7'54	6'96	7'03	-0'07	73'48	92'53	-19'05	5'5	5'9	Darjeeling ...	Darjeeling Hill Districts ...	
6'29	6'37	3'08	6'57	3'47	-2'90	25'32	31'27	-6'25	2'8	3'9	Purneah ...	Purneah ...	
0'39	0'26	2'20	0'26	2'60	-2'34	16'21	22'92	-6'71	1'3	3'6	Durbhunga ...	North Bhagulpore ...	
0'01	0'28	1'59	0'08	2'59	-1'71	21'73	23'53	-1'78	0'7	2'9	Motibari ...	Motibari ...	NORTH BENGAL.
0'24	0'22	2'23	0'52	2'49	-1'17	19'68	21'86	-8'28	2'0	3'3	Chupra ...	Chumpran ...	
0'37	1'40	2'59	1'40	3'19	-1'79	11'87	21'07	-9'20	3'5	3'9	Buxar ...	Saran ...	
6'35	0'02	2'58	0'05	3'04	-2'09	11'51	22'27	-11'06	2'8	3'9	Arrah ...	Shahabad ...	
1'31	0'02	2'58	0'05	3'04	-2'09	11'51	22'27	-11'06	2'8	3'9	Gya ...	Gya ...	SOUTH BENGAL.
1'37	1'37	2'22	1'37	2'63	-1'26	14'14	21'57	-8'43	2'3	3'8	Bankipore ...	Patna ...	
0'33	0'73	2'08	0'73	3'22	-2'49	16'13	23'47	-7'34	2'4	4'0	Bhagulpore ...	South Bhagulpore ...	
1'31	0'89	2'76	1'01	2'15	-2'13	17'51	27'24	-9'73	2'7	4'3	Doomka ...	Monghyr ...	
5'02	2'73	3'15	2'74	3'78	-1'04	15'59	25'23	-11'03	5'5	5'7	Hazaribagh ...	Sonthal Pergunnahs ...	SOUTH BENGAL.
3'21	1'52	3'43	1'60	4'25	-2'65	17'66	26'69	-9'03	3'3	5'2	Ranchee ...	Hazaribagh ...	
4'01	3'06	3'25	3'06	4'26	-0'50	27'52	29'47	-1'95	4'0	6'3	Chyowassa ...	Lohardigha ...	
												Manmook ...	
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period for the past one year. The variations are negative when the mean for the week is less than the corresponding normal mean, and positive when greater. by 10. The number denoting cloud amount represent the part of the sky covered, the whole sky being denoted by 10. Under the head "district observations" for the period in question during the past 12 years. The "means for the district" are the numerical average of the rainfall returns received day is one on which at least an hundredth of an inch fell.

## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 8th August 1884.

Meteorological division.	District.	Station.	RAINFALL.							Total.		Total rainfall from 1st to 8th August 1884.	Average total rain- fall from 1st to 8th August.	Total rain- fall since 15th May 1884.	Average rainfall from 15th May to date.
			Saturday, 2nd August.	Sunday, 3rd August.	Monday, 4th August.	Tuesday, 5th August.	Wednesday, 6th August.	Thursday, 7th August.	Friday, 8th August.	Number of rainy days.	Rainfall of week.				
ORISSA	Pooree	Pooree	0'04	0'08	0'22	0'03		1'45	0'02	1	0'04	0'47	3'40	20'08	24'05
		Khurdah	0'03							0	2'42	2'65	3'75	24'38	29'81
		Banpur					0'32			1	0'32	0'82	8'55	15'31	25'79
		False Point	0'24	0'51	0'08		0'05			4	1'18	2'31	8'75	22'77	30'43
		Hookitola	0'12	0'97	0'01					4	1'18	2'31	8'75	22'77	30'43
	Cuttack	Jagatsingapore	0'30	1'45				0'70		3	0'50	0'51	3'67	27'16	23'03
		Banki		0'30				0'04	0'07	3	0'50	0'51	3'67	27'16	23'03
		Cuttack	0'03	0'60	0'35			0'19		4	1'17	1'26	3'39	28'99	31'03
		Kendrapara		0'80	1'20			0'10	0'05	4	2'15	2'91	4'01	19'15	26'92
		Jajpore		1'53						1	1'53	2'23	8'08	19'83	29'04
Balasore	Chandballi		2'46	0'44			0'46	1'57	4	4'93	6'93	4'29	36'07	27'01	
	Bhuddruk		1'80						1	1'80	1'80	3'45	25'74	27'32	
	Sorah	0'20	0'36	0'10					3	0'66	0'60	3'85	22'37	20'08	
	Balasore		0'05	4'90		0'54			3	5'40	5'61	3'86	43'43	28'32	
	Jellasore	0'20	4'27	0'30				0'10	4	4'87	5'07	3'34	31'48	28'75	
Baripodah		1'04	0'30	0'01				3	1'35	1'00	3'64	29'10	28'04		
SOUTH-WEST BENGAL.	Midnapore	Contai	0'44	1'10	1'24					3	2'78	2'78	4'17	32'37	31'64
		Saugor Island	0'39	0'58	0'21					3	1'18	1'18	4'35	38'84	32'75
		Tumlook	0'60			1'00		0'20		3	1'80	1'80	4'15	24'90	27'37
		Midnapore	0'10	1'48			0'30			3	1'88	1'88	3'91	28'84	26'08
		Ghattal	0'20	0'60		0'05	0'15			4	1'00	1'00	4'47	21'30	30'05
	24-Pergunnahs	Diamond Har- bour.		1'09	0'31	0'74	1'62		0'19	5	8'05	3'08	3'09	33'06	30'75
		Alipore Jail	0'80	0'50	0'35		0'04			4	1'67	1'67	3'50	27'37	29'86
		Barackpore		0'50	0'20	0'47	0'40			4	1'57	1'57	3'07	24'28	28'52
		Dum-Dum	0'31	0'49	0'07		0'23	0'12	0'06	6	1'88	1'88	3'16	27'98	28'41
		Baraset	0'19		0'70					2	0'89	0'89	3'50	22'81	27'37
	Buseerhat	0'21		1'55	0'29	0'15			4	2'20	2'20	3'59	26'12	31'06	
	Howrah	Howrah	0'00	0'50	0'23		0'31	0'06		5	1'70	1'70	3'45	21'61	28'89
		Mohesra	0'57	2'05	0'61	0'11				4	3'34	3'34	4'39	24'72	30'23
		(Golobaria)													
		Serampore	0'19	0'34	0'35	0'10	0'25	0'03		6	1'26	1'26	3'27	30'16	28'05
		Hooghly	0'12	0'38		1'08		0'01		4	2'79	2'79	3'48	21'98	27'20
	Jehanabad	0'30	0'21		3'11	0'42			4	4'24	4'24	4'08	19'47	29'05	
	Burdwan	Culina	0'34	0'15				0'15	0'19	4	0'83	0'83	2'72	19'25	24'02
		Burdwan		1'40		0'12	0'25			3	1'77	1'77	2'45	14'08	24'19
		Cutwa		0'39	0'20	0'15				3	0'74	0'74	3'21	23'55	24'80
Rancegunge			0'09	0'03	0'12	0'01			4	0'76	0'76	2'68	19'36	25'70	
Bankoora			0'33	2'03			0'19		4	2'65	2'65	3'29	25'46	27'26	
Bankoora	Bishenpore	0'30	1'30	0'20					3	2'00	2'00	5'00	18'54	30'09	
	Maliara	0'23	0'60	0'16					3	0'99	0'99	3'54	15'34	27'37	
	Khatra	0'32	1'05		0'20				3	1'57	1'57	4'00	22'82	33'08	
	Bh. Soory		0'39	0'30		0'30			3	1'58	1'58	3'60	18'79	29'50	
	Hetampore											2'81		27'89	
Nudda	Bongong		0'35		0'20	0'16			3	0'71	0'71	3'53	18'29	28'55	
	Ranaghat				0'30		0'21		2	1'11	1'11	3'75	23'13	30'33	
	Kishnaghat	0'20					0'13		2	0'33	0'33	2'23	16'83	24'59	
	Chooandanga	0'15	0'22	0'26	0'01	0'40			6	1'13	1'13	2'40	20'40	26'04	
	Meherpore			0'83	0'03				2	0'86	0'86	2'01	17'56	24'92	
Kooshtea		0'26	0'34	0'04	0'12			4	0'76	0'76	1'05	21'53	28'02		
Khoolna	Satkira	0'12	0'55	0'22	0'18	0'07	0'04	0'01	7	1'19	1'24	3'44	31'63	31'39	
	Jagirhat	0'03	0'75	0'25	0'36				4	1'42	1'42	4'34	38'81	36'83	
	Khoolna	0'05	0'90	0'09	0'12		0'17		5	1'84	2'59	3'47	37'49	30'05	
	Jessore			0'65	0'35	0'09			3	1'09	1'09	3'39	18'08	28'07	
	Narail	0'02	0'76	0'09	0'17		0'25		5	1'80	1'80	3'79	30'79	31'23	
Jessore	Jhensidah	0'26	0'40						2	0'66	0'66	3'16	24'09	29'35	
	Magorah		0'38	0'15	0'12		0'08		4	0'73	0'73	3'06	22'70	28'79	
	Kandi		0'16	0'13					2	0'29	0'29	3'74	17'13	28'47	
	Rampore Haul			0'33	0'60	0'40			3	0'82	0'82	1'17	10'03	20'76	
	Berhampore		0'07						1	0'07	0'07	4'03	10'03	27'61	
Moorsheadabad	Lalbagh			0'24					1	0'24	0'24	2'90	18'87	24'11	
	Asimungo		0'20	0'08		0'20			3	0'48	0'48	3'57	21'02	28'03	
	Jungipore		1'12						1	1'12	1'12	3'83	16'32	20'43	
	Lalgola		0'88						1	0'88	0'88	3'57	23'35	28'11	
EAST BENGAL.	Chittagong	Cor's Bazar	0'86	2'16	0'43	3'49		0'23	0'08	6	7'25	7'25	7'79	78'90	90'52
		Chittagong	1'31	2'20	0'36	0'83		0'06		5	4'75	4'75	6'41	51'56	57'57
	Chittagong Hill Tracts.	Rangamati	0'70	1'04	0'15	0'20		0'03	0'14	6	2'26	2'26	6'25	37'05	40'58
		Raicha	1'25	1'01	0'25	0'60				3	0'86	0'86	3'85	35'41	34'76
		Agartola	0'22		0'08				0'26	3	0'86	0'86	3'85	35'41	34'76
	Backergunge	Patuakhally		1'60	0'50					2	2'10	2'10	5'45	45'30	50'39
		Perozepore	1'21	0'51	0'53	0'08				4	2'33	2'33	4'82	40'77	49'71
		Burisal	0'08	0'83	0'10	0'10		0'11	0'10	6	1'44	1'44	4'03	39'49	40'85
		Bhola	0'30	1'80	0'12	0'06	0'08	0'19		7	3'23	3'23	5'57	50'85	52'26
		Noakholly													
	Noakholly	Noakholly	1'43	1'72	1'59	0'28	0'08	0'08	0'21	7	5'39	5'39	7'82	46'65	63'71
		Fenny	0'02	1'12	0'82			0'42	0'02	5	3'69	3'69	5'87	57'23	64'62
	Furreedpore	Madaripore				1'15				1	1'15	1'27	3'82	21'25	34'23
		Furreedpore	0'71	0'65	0'07	0'04	0'02		0'13	6	1'62	1'62	3'45	23'75	33'25
		Gosaiundo	0'25	0'60	0'07				0'33	4	1'25	1'25	3'20	24'98	31'61
	Dacca	Munshigunge	0'11	0'90	0'29	0'12	0'26		0'0	6	1'62	1'62	4'50	28'29	41'84
		Dacca	0'15	0'67	0'20	0'27	0'06		0'16	6	1'79	1'79	3'68	27'69	36'28
		Narainkunge	0'15	1'06	0'09	0'13	0'16	0'02	0'08	7	1'69	1'69	3'77	21'57	30'14
		Manikgungo	0'10	0'72		0'12			0'39	4	1'33	1'33	3'77	25'17	30'14
	Comilla	Comilla	1'80	0'41	0'8	0'04			0'05	2	2'48	2'48	5'46	45'43	40'59
Chandpore		0'50	0'90	0'39				0'05	4	0'25	0'25	3'51	30'40	48'17	
Pranmunberia		0'12						0'13	4	0'25	0'25	3'51	40'96	48'17	
Mymensingh	Kishoregunge		0'13						2	1'48	1'48	3'40	26'80	41'71	
	Atia			0'25					1	0'25	0'25	3'40	16'03	32'15	
	Jamensingh	0'34	0'39		0'40		0'02	0'75	5	1'99	1'99	3'64	40'60	43'02	
	Jamalpore		0'24	0'10	0'01		0'22	0'79	5	1'06	1'66	3'57	39'69	35'82	
	Netrokona	0'03	0'08	0'26		0'10	0'06	1'00	6	2'73	2'73	?	40'73	?	



## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 8th August 1884—concluded.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL.		Total rainfall from 1st to 8th August 1884.	Average total rainfall from 1st to 8th August.	Total rainfall since 1st May 1884.	Average rainfall from 1st May to date.
			Saturday, 2nd August.	Sunday, 3rd August.	Monday, 4th August.	Tuesday, 5th August.	Wednesday, 6th August.	Thursday, 7th August.	Friday, 8th August.	Number of rainy days.	of Rainfall week.				
NORTH-BENGAL.	Pubna	Pubna	0.05	0.12	0.15				0.05	4	0.97	0.97	2.07	22.87	27.84
		Serajgunge	0.12		0.29				0.09	3	0.50	0.50	2.24	22.34	29.06
	Bogra	Sherpore		0.27					0.50	2	0.77	0.77	3.08	24.14	35.26
		Nowshilla	0.46	0.23					0.33	5	1.01	1.01	3.25	29.39	39.08
		Bogra	0.03	0.28	0.03				0.20	4	0.54	0.54	2.47	30.43	33.19
		Panchbibi		0.35	0.19				0.48	5	1.02	1.02	2.23	24.40	30.30
	Rajshahye	Beaulah		0.28	0.07	0.04			0.01	4	0.40	0.40	3.07	18.33	27.45
		Natore					0.40			1	0.40	0.40	2.29	22.81	29.32
	Maldah	Nowgong	0.18				0.55			2	0.73	0.73	?	21.83	?
		Maldah	0.02	0.11	0.10					3	0.23	0.23	2.67	19.89	27.52
	Dinapore	Mohadehpore	0.04			0.37			0.20	3	0.83	0.83	3.04	20.16	33.34
		Churamon	1.35	0.25	0.06				0.18	4	1.84	1.84	1.96	30.51	35.76
		Raigunge	0.17	0.44		0.07				3	0.68	0.68	2.27	27.49	31.62
		Dinapore		0.41	0.04	0.03			0.33	4	0.81	0.81	2.85	23.53	37.37
		Balvoryhat	0.70	0.25	0.15	0.04			0.25	5	1.39	1.39	?	29.33	?
	Rungpore	Bhawanigunge (Gyabanda).		0.39					0.76	2	1.15	1.15	2.30	31.08	35.65
		Rungpore		0.13		0.02		0.02	1.40	4	1.57	1.57	2.26	35.31	44.94
		Kurigram						0.36	0.85	2	1.21	1.21	1.83	31.41	40.63
		Bagdogra (Niphamar.)			0.07				0.18	2	0.25	0.25	4.05	30.81	53.90
	Julpigore	Julpigore			3.30	0.11	0.24		1.96	4	5.61	5.61	5.75	56.03	67.04
	Cooch Behar.	Dinhatia		0.03	0.03				1.95	3	2.02	2.02	4.45	51.06	56.83
		Cooch Behar.		0.55					1.27	2	1.82	1.82	5.47	78.99	72.77
		Mickligunge	0.32	0.03					0.28	3	1.00	1.00	6.41	49.24	63.47
		Matabhanga		0.72		0.03			0.11	3	0.86	0.86	5.72	52.76	70.65
	Darjeeling Hill.	Ruxa		0.80	0.40	3.02	0.05		1.10	5	5.92	5.92	9.31	80.67	120.21
		Siliguri		1.22	0.01	0.13	1.02		0.47	5	3.13	3.13	?	53.15	?
		Darjeeling		5.03	1.47	0.17	0.24	0.26	0.83	6	8.00	8.00	6.53	61.26	64.92
		Kalimpong		2.05	2.00	0.12	0.25			4	5.05	5.05	?	43.91	?
NORTH-BENGAL.	Purneah	Kissengunge	0.02	0.60	0.09	0.49			0.16	5	1.36	1.36	3.27	40.27	38.32
		Arrareah			0.37	0.10			0.14	4	0.81	0.81	3.24	29.36	35.03
	North Bhagulpore.	Purneah		0.13	0.16					2	0.29	0.29	3.78	25.82	31.72
		Maddapore		0.11						1	0.11	0.11	3.66	15.93	20.47
	Durbhunga	Scoopool			0.24		0.03			2	0.27	0.27	3.47	15.45	20.32
		Tajpore		0.13						1	0.13	0.13	2.87	15.48	23.12
	Mozufferpore	Durbhunga		0.08			0.23			2	0.31	0.31	2.55	12.23	23.62
		Madhubani		0.19	0.39					2	0.78	0.78	2.07	15.91	22.62
	Muzafferpore	Sitamarhi								NH	NH	NH	2.45	17.29	22.33
		Mozufferpore		0.20				0.04		2	0.24	0.24	2.41	15.43	22.25
	Uthmanpara	Hajipore					0.05			1	0.05	0.05	3.26	21.22	23.49
		Motihari								NH	NH	NH	2.04	20.31	21.61
	Saron	Bettiah			2.06					1	2.06	2.06	2.08	22.05	25.68
		Gopalgunge		0.04						1	0.04	0.04	2.14	21.97	29.33
	Sewai	Sewai							0.02	1	0.02	0.02	2.63	10.45	23.03
		Chuprah		0.29	0.03				0.70	3	1.02	1.02	2.34	10.69	20.65
SOUTH-BENGAL.	Shahabad	Buxar		0.39		0.14	0.47	0.39		4	1.39	1.39	3.13	12.39	20.23
		Dehree		0.19	0.27					2	0.37	0.37	?	10.74	?
		Rhuboah		1.09	0.10	0.45		0.10	0.10	5	2.75	2.75	3.72	11.72	22.14
		Sasseram		0.10		0.02				2	1.02	1.02	3.33	9.55	21.72
		Arrah		0.21			0.12		0.10	3	0.43	0.43	2.57	13.76	20.09
	Gya	Aurangabad		0.07					0.00	2	0.16	0.16	3.90	15.29	22.42
		Gya		0.08	0.16	0.60	0.17			4	1.01	1.01	2.98	12.54	23.08
		Nowadah		0.44			0.35			2	0.79	0.79	2.95	8.92	22.39
		Jehansabad		0.28			0.80		0.44	3	1.52	1.52	2.88	11.50	21.73
	Patna	Patna		0.07	0.40	0.06			0.84	4	1.37	1.37	2.75	16.07	21.61
		Dhapore		0.06	0.06				3.50	3	3.62	3.62	2.46	19.62	21.04
		Behar		0.05						1	0.05	0.05	2.55	7.45	21.49
		Barrh		0.40						1	0.40	0.40	2.97	15.37	21.39
	Monghyr	Begosera		0.25			0.22			2	0.77	0.77	2.25	13.00	23.03
		Monghyr		0.35	0.14			0.16		3	0.65	0.65	3.50	16.90	24.25
	South Bhagulpore.	Jamui			0.30		0.14		0.30	3	0.74	0.74	3.62	15.94	24.34
		Bhagulpore		0.62	0.31					2	0.93	0.93	3.14	23.97	29.08
	Sonthal Pergunahs.	Danka	0.45		0.09					2	0.54	0.54	3.61	11.16	24.31
		Rajmeha		0.25	0.19	0.29				3	0.70	0.70	2.50	20.52	26.50
		Goda		0.24	0.31					2	0.55	0.55	4.04	14.50	24.88
		Fakour		0.53		0.08				2	0.61	0.61	1.54	16.88	27.87
		Nya Doonka		0.17	0.17	0.41	0.51			4	1.25	1.25	6.72	14.72	29.76
		Deoghur		0.64	0.11		0.15			3	0.90	0.90	3.38	13.34	27.47
		Jamuna		0.91	0.40					2	1.31	1.31	2.75	23.13	27.02
		Hasaribagh		0.03	0.89	0.23	0.00	0.03		5	1.20	1.20	3.90	15.39	26.23
CENTRAL AND WEST-BENGAL.	Hasaribagh	Hasaribagh	0.03	0.17	0.45	0.07		0.14	0.28	6	4.20	4.20	4.00	17.33	26.79
		Semugurah											3.43	30.91	27.14
	Lohardugga	Hasaribagh											4.09		
		Lohardugga	0.28	1.27	0.33	0.02	0.25	0.05	0.33	7	2.87	2.87	?	22.18	?
	Singbhoom	Ranchi	0.02	1.30	1.02	0.00	0.12		0.03	5	3.09	3.09	4.94	25.63	28.82
		Palamow		0.24	0.56					2	0.80	0.80	3.36	10.90	23.90
	Manbhoem	Chyabassa	0.51	2.45	0.87			0.13		4	3.96	3.96	4.26	27.32	29.47
		Purulia	0.00	0.77			0.49			3	1.31	1.31	4.35	21.90	27.93

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If some of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA,

The 11th August 1884.

JOHN ELIOT,

Meteorological Reporter to the Govt. of Bengal.



SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS  
TAKEN IN BENGAL DURING THE WEEK ENDING THE 8TH AUGUST 1884.

It was stated in the report of last week that another advance of strong south-westerly winds up the Bay was in progress at the end of the week then under review. The Akyab observations indicated the existence of an eddy or small cyclonic disturbance in the front of those advancing winds on the 31st. The winds shifted round in South Bengal on the 1st and 2nd of August in the usual manner. This disturbance, like the great majority of the preceding whirls, made for the Balasore coast on the morning of the 3rd. It advanced rapidly through Chutia Nagpur and South Behar, filling up during its motion, and disappeared beyond the limits of the Province into the North-West Provinces on the afternoon of the 4th. This disturbance gave moderate general rain to Orissa, South-West Bengal and East Bengal on the 2nd, 3rd and 4th, and to North Bengal and Behar on the 3rd and 4th. A partial break of the rains commenced on the 5th, and continued until the 7th. The break was most pronounced in North Bengal, Behar, and Chutia Nagpur. A few local showers of little importance fell on the 7th chiefly in East Bengal, and fairly general rain in East and North Bengal on the 8th. During this period the weather telegrams from the Ceylon coast stations have indicated the prevalence of strong monsoon winds in the south and centre of the Bay, so that another influx of monsoon winds and of general rain is probable over the Province.

*Pressure.*—Variations have been smaller in amount than they have been for some weeks previous. The passage of the small disturbance across the Balasore coast was accompanied by a rapid rise of pressure on the 3rd over the whole Province. It averaged nearly an eighth of an inch over Bengal and Behar. It fell again on the 4th, and was below the normal on the 5th. This was followed by a rapid rise on the 7th, and pressure was on that day and on the 8th above the normal to a slight extent. The mean pressure of the week was above the normal in North Behar, the area of least rainfall during the week, and below it over the remainder of the Province. The deficiency was most marked at the Orissa stations, thus indicating that Orissa is, as it has been for some time, an area of deficient pressure relative to the Province generally.

*Temperature.*—Increased rapidly during the latter part of the week, more especially in Behar. The mean temperature of the week varied from the normal by small amounts except in South Behar, where it was  $2^{\circ}$  in excess. Bankipore registered the highest temperature of the week,  $97.5^{\circ}$  on the 3rd.

*Winds.*—Were very light over the Province at the commencement of the week. They strengthened considerably on the 3rd, and moderate monsoon winds prevailed generally on the 4th. They began to fall off rapidly in intensity on the 5th, and were very feeble on the 7th and 8th, although they were approximately normal in direction.

*Rainfall.*—The general character and distribution of the rainfall of the past week has been indicated above. The slight disturbance which crossed the Balasore coast on the morning of the 3rd, brought up comparatively small supplies of vapour. Light showers fell in South-West Bengal and East Bengal on the 2nd. The rainfall was considerably larger in amount on the 3rd, and extended over the whole Province, with the exception of the Mozufferpore, Chumparun and Sarun districts. Rain fell in smaller amounts on the 4th over the whole Province, excepting the western and central districts of Behar. Showers fell on the 5th in South-West and East Bengal, and on the 6th in the western districts of South-West Bengal. No rain, with the exception of a few showers, occurred in Behar or Chutia Nagpur from the 5th to the end of the week. The 6th and 7th formed an almost complete break in the rains over the whole Province.

The showers which fell during the week were, with a few very few exceptions, not heavy. The only rainfall in 24 hours, which exceeded five inches, was registered on the 3rd at Darjeeling. Its amount was 5.03 inches.

The Darjeeling district, Balasore, Chittagong, Singbhoom and Hazaribagh received rainfall varying slightly from the normal and generally in excess.

Between 70 and 80 per cent. of the normal rainfall was received in the 24-Pergunnahs, Howrah and Hooghly; between 60 and 70 per cent. in the Patna and Noakholly districts; between 50 and 60 per cent. in the Bankoora, Beerbhoom, Burdwan, Cuttack, Burrisal Mymensingh, Dacca, and Shahabad districts; between 40 and 50 per cent. in the Julpigi, Cooch Behar, Rungpore, Midnapore, Manbhoom, Jessore, Khoolna, Furreedpore and Dinagepore districts; between 30 and 40 per cent. in the Nuddea, Gya, Pooree, Comilla, Chumparun, Bogra and Pubna districts, and in the Sonthal Pergunnahs. Less than 30 per cent. of the normal rainfall of the week was obtained in the following districts, which hence define the area of greatest deficiency of rainfall during the past week:—

Bhagulpore received	...	...	...	...	27 per cent.
Chuprah	"	...	...	...	22 "
Moorsheadabad	"	...	...	...	20 "
Purneah	"	...	...	...	19 "
Durbhunga	}	...	...	...	12 "
Mozufferpore		...	...	...	

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the week ending Friday, the 8th August 1884:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.							RAINFALL.								
	Highest observed during week.	Lowest observed during week.	Averages for week.					Average mean of week above or below normal mean of week.	Of week.		Rainy days.		Since 1st of July.		Since 15th May.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.	Average.	Normal average.		Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	92.4	71.1	86.7	78.5	82.6	-1.3	2.16	3.12	-0.96	3.0	4.2	-1.2	2.72	3.64	25.04	27.72
South-West Bengal	96.5	76.3	86.4	78.7	84.1	+0.3	1.40	2.84	-1.44	3.4	4.7	-1.3	1.44	3.45	21.32	28.37
East Bengal	91.8	73.3	82.7	77.3	82.0	-0.8	2.28	3.94	-1.66	4.4	5.2	-0.8	2.30	4.08	38.05	45.26
North Bengal	95.3	75.1	90.3	78.3	84.3	-	1.10	2.06	-1.77	3.1	4.0	-0.9	1.19	3.33	33.60	41.48
North Behar	97.3	76.8	92.8	79.7	86.2	+0.6	0.47	2.42	-1.95	1.8	3.3	-1.7	0.47	2.82	19.81	25.61
South Behar	97.5	78.3	91.1	77.3	85.2	+2.2	1.03	2.59	-1.56	2.7	4.0	-1.3	1.07	3.06	14.00	23.68
Chutia Nagpur	87.5*	70.8*	83.8*	73.0*	78.4*	+0.7*	2.30	3.28	-0.98	4.4	5.5	-1.1	2.34	4.04	18.19	26.91

\* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;

JOHN ELIOT,

The 11th August 1884.

Meteorological Reporter to the Govt. of Bengal.

## MEMORANDA.

THE subjoined table exhibits the mortuary statistics of the districts in Bengal for the month of June 1884. The leading features disclosed by it are—

1. That the deaths of 98,258 persons were recorded out of a population of 66,163,884 in these districts, representing an annual ratio of 17.76 per 1,000 against 20.88 per 1,000 in the preceding month, and 15.00 per 1,000 in the corresponding month of 1883.

2. That the following districts furnished the highest proportions of deaths:—

Districts.	Ratio per mille.	Districts.	Ratio per mille.
Balasore ...	45.84	Gya ...	24.84
Patna ...	31.68	Sarun ...	23.64
Nuddea ...	27.60	Bhagulpore ...	23.40
Rajshahye ...	24.96		

3. That the mortality from the principal death-causes was as follows in comparison with the casualty rates from the same causes during the corresponding month of the preceding year:—

	Ratio per mille during—	
	June 1884.	June 1883.
Cholera ...	1.68	2.04
Small-pox ...	.36	.12
Fever ...	12.00	9.84
Bowel-complaints ...	.72	.60
Injury ...	.48	.48
Other causes ...	2.28	1.68

indicating, chiefly, that there was a sensible abatement in the mortality from cholera with a noticeable increase in that from fever.

4. That of the abovementioned diseases, cholera, small-pox, fever and "other causes" were notably fatal in the following districts:—

Cholera.	Small-pox.	Fever.	Other causes.
Ratio per mille.	Ratio per mille.	Ratio per mille.	Ratio per mille.
Balasore ... 28.68	Chumparun 3.00	Rajshahye 22.32	Poori 11.64
Manbhum ... 5.04	Gya ... 2.52	Nuddea 21.60	Sarun 7.92
Cuttack ... 4.92	Sarun ... 2.40		
Patna ... 4.32			
Poori ... 3.72			
Sonthal Pergunnahs ... 3.12			
Shahabad ... 2.04			

5. That the death-rates under the heads of Sex, Class and Age stand as indicated below:—

According to Sex.	According to Class.	According to Age.
Ratio per mille.	Ratio per mille.	Ratio per mille.
Males ... 19.92	Christians ... 9.72	Under 1 year ... 111.84
Females ... 16.56	Hindus ... 18.60	1 and under 5 years ... 22.68
Ratio of male deaths to every 100 female deaths ... 125	Mahomedans ... 16.32	5 and under 10 " ... 9.72
	Budhists ... 17.88	10 and under 15 " ... 9.24
	Other classes ... 15.36	15 and under 20 " ... 12.72
		20 and under 30 " ... 12.36
		30 and under 40 " ... 13.44
		40 and under 50 " ... 16.92
		50 and under 60 " ... 22.92
		60 years and upwards ... 34.80

R. LIDDERDALE, M.D., Deputy Surgeon-General,  
Sanitary Commissioner for Bengal.

The 11th August 1884.



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annum.</td></tr><tr></tr><tr><td>Total</td><td>1</td><td>1,881</td><td>411</td><td>80</td><td>160,33</td><td>149</td><td>138</td><td>135</td><td>403</td><td>323</td><td>316</td><td>191</td><td>298</td><td>10,904</td><td>13,41</td><td>9,96</td><td>12,12</td><td>13,69</td><td>18,81</td><td>17,40</td><td>21,84</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td></tr><tr><td>Burmah</td><td>1</td><td>1,881</td><td>411</td><td>80</td><td>160,33</td><td>149</td><td>138</td><td>135</td><td>403</td><td>323</td><td>316</td><td>191</td><td>298</td><td>10,904</td><td>13,41</td><td>9,96</td><td>12,12</td><td>13,69</td><td>18,81</td><td>17,40</td><td>21,84</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td></tr><tr><td>Bangkok</td><td>1</td><td>1,881</td><td>411</td><td>80</td><td>160,33</td><td>149</td><td>138</td><td>135</td><td>403</td><td>323</td><td>316</td><td>191</td><td>298</td><td>10,904</td><td>13,41</td><td>9,96</td><td>12,12</td><td>13,69</td><td>18,81</td><td>17,40</td><td>21,84</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td></tr><tr><td>Batavia</td><td>1</td><td>1,881</td><td>411</td><td>80</td><td>160,33</td><td>149</td><td>138</td><td>135</td><td>403</td><td>323</td><td>316</td><td>191</td><td>298</td><td>10,904</td><td>13,41</td><td>9,96</td><td>12,12</td><td>13,69</td><td>18,81</td><td>17,40</td><td>21,84</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td></tr><tr><td>Bombay</td><td>1</td><td>1,881</td><td>411</td><td>80</td><td>160,33</td><td>149</td><td>138</td><td>135</td><td>403</td><td>323</td><td>316</td><td>191</td><td>298</td><td>10,904</td><td>13,41</td><td>9,96</td><td>12,12</td><td>13,69</td><td>18,81</td><td>17,40</td><td>21,84</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td></tr><tr><td>Bombay</td><td>1</td><td>1,881</td><td>411</td><td>80</td><td>160,33</td><td>149</td><td>138</td><td>135</td><td>403</td><td>323</td><td>316</td><td>191</td><td>298</td><td>10,904</td><td>13,41</td><td>9,96</td><td>12,12</td><td>13,69</td><td>18,81</td><td>17,40</td><td>21,84</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td></tr><tr><td>Bombay</td><td>1</td><td>1,881</td><td>411</td><td>80</td><td>160,33</td><td>149</td><td>138</td><td>135</td><td>403</td><td>323</td><td>316</td><td>191</td><td>298</td><td>10,904</td><td>13,41</td><td>9,96</td><td>12,12</td><td>13,69</td><td>18,81</td><td>17,40</td><td>21,84</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td></tr><tr><td>Bombay</td><td>1</td><td>1,881</td><td>411</td><td>80</td><td>160,33</td><td>149</td><td>138</td><td>135</td><td>403</td><td>323</td><td>316</td><td>191</td><td>298</td><td>10,904</td><td>13,41</td><td>9,96</td><td>12,12</td><td>13,69</td><td>18,81</td><td>17,40</td><td>21,84</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td></tr><tr><td>Bombay</td><td>1</td><td>1,881</td><td>411</td><td>80</td><td>160,33</td><td>149</td><td>138</td><td>135</td><td>403</td><td>323</td><td>316</td><td>191</td><td>298</td><td>10,904</td><td>13,41</td><td>9,96</td><td>12,12</td><td>13,69</td><td>18,81</td><td>17,40</td><td>21,84</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td></tr><tr><td>Bombay</td><td>1</td><td>1,881</td><td>411</td><td>80</td><td>160,33</td><td>149</td><td>138</td><td>135</td><td>403</td><td>323</td><td>316</td><td>191</td><td>298</td><td>10,904</td><td>13,41</td><td>9,96</td><td>12,12</td><td>13,69</td><td>18,81</td><td>17,40</td><td>21,84</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td></tr><tr><td>Bombay</td><td>1</td><td>1,881</td><td>411</td><td>80</td><td>160,33</td><td>149</td><td>138</td><td>135</td><td>403</td><td>323</td><td>316</td><td>191</td><td>298</td><td>10,904</td><td>13,41</td><td>9,96</td><td>12,12</td><td>13,69</td><td>18,81</td><td>17,40</td><td>21,84</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td></tr><tr><td>Bombay</td><td>1</td><td>1,881</td><td>411</td><td>80</td><td>160,33</td><td>149</td><td>138</td><td>135</td><td>403</td><td>323</td><td>316</td><td>191</td><td>298</td><td>10,904</td><td>13,41</td><td>9,96</td><td>12,12</td><td>13,69</td><td>18,81</td><td>17,40</td><td>21,84</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td></tr><tr><td>Bombay</td><td>1</td><td>1,881</td><td>411</td><td>80</td><td>160,33</td><td>149</td><td>138</td><td>135</td><td>403</td><td>323</td><td>316</td><td>191</td><td>298</td><td>10,904</td><td>13,41</td><td>9,96</td><td>12,12</td><td>13,69</td><td>18,81</td><td>17,40</td><td>21,84</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td><td>23,94</td></tr><tr><td>Bombay</td><td>1</td><td>1,881</td><td>411</td><td>8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Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 years and up.	Under 1 year.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 years and up.	Ratio per 1,000 of population per annum.	Total	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Burmah	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Bangkok	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Batavia	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Bombay	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Bombay	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Bombay	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Bombay	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Bombay	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Bombay	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Bombay	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Bombay	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Bombay	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Bombay	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Bombay	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Bombay	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Bombay	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Bombay	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Bombay	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Bombay	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Bombay	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Bombay	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Bombay	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Bombay	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Bombay	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Bombay	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Bombay	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Bombay	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Bombay	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Bombay	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Bombay	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Bombay	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Bombay	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Bombay	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	13,41	9,96	12,12	13,69	18,81	17,40	21,84	23,94	23,94	23,94	23,94	23,94	23,94	Bombay	1	1,881	411	80	160,33	149	138	135	403	323	316	191	298	10,904	1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Districts.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 years and up.	Under 1 year.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.																													50 years and up.	Ratio per 1,000 of population per annum.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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## MEMORANDA.

The principal features to be deduced from the vital statistics of the first class Municipalities in Bengal for the week ending 26th July 1884, as presented in the statement appended to this memoranda, are the following:—

(1) That births and deaths were registered in these Municipalities at the rates of 17.5 and 27.5 per 1,000 respectively, against 18.2 and 28.3 per 1,000, respectively, during the preceding week ending 19th July, indicating a reduction in the registration of both events.

(2) That the Municipalities which returned the highest birth and death-rates are—

Births.				Deaths.			
			Ratio per mille.				Ratio per mille.
Serampore	...	...	29.4	Gya	...	...	77.9
Bhagulpore	...	...	26.2	Chittagong	...	...	39.9
Chittagong	...	...	23.5	Patna	...	...	35.7
Gya	...	...	23.3	Monghyr	...	...	33.4
Shahabad	...	...	22.8	Suburbs of Calcutta	...	...	33.3
				Poori	...	...	29.9

(3) That the mean rates at which the several diseases proved fatal exhibit no marked variations in comparison with the mortality during the preceding week, thus—

				Ratio per mille during weeks ending—	
				26th July 1884.	19th July 1884.
Cholera	...	...	...	2.4	2.5
Small-pox	...	...	...	4	7
Fever	...	...	...	12.2	12.0
Bowel-complaints	...	...	...	4.2	4.1
Injury	...	...	...	6	1.1
Other causes	...	...	...	7.7	7.9

(4) That cholera, fever, and the diseases classed under the head of "other causes" proved most fatal to life in the undermentioned Municipalities:—

Cholera.				Fever.				Other causes.			
			Ratio per mille.				Ratio per mille.				Ratio per mille.
Poori	...	...	15.0	Gya	...	...	34.8	Gya	...	...	21.9
Gya	...	...	14.3	Chittagong	...	...	30.5	Serampore	...	...	15.7
Monghyr	...	...	11.7					Poori	...	...	12.8
Chittagong	...	...	7.0					Suburbs of Calcutta	...	...	12.4
								Patna	...	...	10.1

(5) That the death-rates in relation to Sex, Class and Age were returned at the rates indicated below:—

According to Sex.				According to Class.				According to Age.			
			Ratio per mille.				Ratio per mille.				Ratio per mille.
Males	...	...	27.8	Christians	...	...	30.4	Under 1 year	...	...	250.4
Females	...	...	27.0	Hindus	...	...	28.5	1 and under 5 years	...	...	41.7
Ratio of male deaths to every 100 female deaths	...	...	116	Mahomedans	...	...	24.7	5 " 10 "	...	...	13.1
				Budhists	...	...	21.2	10 " 15 "	...	...	8.6
				Other classes	...	...	72.8	15 " 20 "	...	...	20.9
								20 " 30 "	...	...	15.4
								30 " 40 "	...	...	17.3
								40 " 50 "	...	...	25.6
								50 " 60 "	...	...	24.6
								60 years and upwards	...	...	59.5

R. LIDDERDALE, M.D., Deputy Surgeon-General,  
Sanitary Commissioner for Bengal.

The 11th August 1884.

A special census of the Europeans in the Territory Municipality was recently conducted on the basis of population statistics under the authorized form of age classification.

The number of the natives remains at a minimum in that month. The number of the Europeans being at a minimum in that month. The number of the Europeans being at a minimum in that month.





## EAST INDIAN RAILWAY.

Statement of Goods Traffic in staples carried during the five weeks and two days ending 30th June 1884,  
as compared with the same period of 1883.

STAPLES.	1884.		1883.		Increase.		Decrease.	
	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.
	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.
ANIMALS, LIVING	No. 4	546	No. 64	1,308	No. 575	532	No. 60	847
Horses, ponies, and mules	4	546	64	1,308	575	532	60	847
Cattle	50	244	51	243	1	1	1	1
Sheep and goats	2,470	1,773	1,995	1,341	475	432	1	1
Other kinds	240	169	553	418	313	249	1	1
BORAX	90	112	91	113	1	1	1	1
Canes and rattans	2	5	4	13	2	8	1	1
Caoutchouc (Indian-rubber)	25	18	46	30	21	12	1	1
Chinese and Japanese ware	5,001,334	2,30,434	6,01,305	2,77,413	1,011,971	476,979	1,011,971	476,979
Coal and coke, up	17,36,639	2,46,349	16,96,384	2,36,476	40,255	9,873	1,011,971	476,979
Ditto, down	36,127	43,230	50,474	70,104	14,347	26,874	1,011,971	476,979
Cotton, raw	9,594	14,234	9,031	13,228	563	1,006	1,011,971	476,979
Twist and yarn (European)	8,803	5,278	7,844	4,542	959	736	1,011,971	476,979
Ditto (Indian)	91,305	1,10,719	84,739	1,00,508	6,566	9,911	1,011,971	476,979
COTTON MANUFACTURED.	14,863	10,666	15,015	9,149	152	1,507	1,011,971	476,979
Piece-goods (European)	43	42	84	37	41	41	1,011,971	476,979
Ditto (Indian)	1,113	1,300	1,241	1,244	72	123	1,011,971	476,979
Other sorts not intoxicating	2,784	1,627	4,457	3,119	1,673	1,592	1,011,971	476,979
Intoxicating drugs (other than opium, &c., arsenic, bluing, ganja, and churus, &c.)	330	196	420	564	90	168	1,011,971	476,979
Indigo	107	45	125	62	18	17	1,011,971	476,979
DYEING MATERIALS.	1,092	600	1,163	891	71	18	1,011,971	476,979
Safflower	17,235	17,910	14,388	10,463	2,847	7,447	1,011,971	476,979
Turmeric	5,612	3,785	6,896	4,274	1,283	489	1,011,971	476,979
Other kinds	613	1,340	606	1,328	7	12	1,011,971	476,979
Earthenware and porcelain	799	453	5,090	1,558	4,291	1,105	1,011,971	476,979
FIBROUS PRODUCTS.	84,782	62,002	1,38,885	1,16,261	54,103	64,259	1,011,971	476,979
Jute, raw	699	213	1,459	338	760	125	1,011,971	476,979
Ditto, manufactured	2,115	416	1,770	499	345	83	1,011,971	476,979
Other fibres, raw	1,620	2,234	1,456	2,170	164	64	1,011,971	476,979
Cocoanuts	33,081	28,424	40,203	33,291	6,522	4,867	1,011,971	476,979
All other kinds	9,08,854	3,62,455	28,41,085	15,17,462	19,32,231	9,55,007	1,011,971	476,979
GRAIN & PULSES	2,51,960	47,702	2,57,775	80,573	5,815	38,811	1,011,971	476,979
Wheat	5,31,128	86,389	2,66,491	72,309	2,646,637	13,390	1,011,971	476,979
Gram and pulses	17,233	2,809	5,453	2,053	8,780	816	1,011,971	476,979
Rice, husked	3,04,748	62,302	2,91,397	67,236	13,351	4,534	1,011,971	476,979
Do., unhusked	5,501	2,569	4,572	1,584	929	985	1,011,971	476,979
Other rain and spring crops	54,942	28,872	36,252	20,382	18,690	8,490	1,011,971	476,979
Hides of cattle	8,655	6,158	10,726	8,262	2,071	2,104	1,011,971	476,979
HIDES & SKINS	1,345	880	683	505	662	575	1,011,971	476,979
Hides of sheep, goats, and small animals	6,917	5,499	16,333	17,836	9,416	12,337	1,011,971	476,979
Lac dye	15,085	4,304	12,417	4,105	2,668	199	1,011,971	476,979
Do. stick and other kinds	1,814	3,729	1,470	2,690	344	1,039	1,011,971	476,979
Leather, unmanufactured	1,355	2,198	1,051	2,492	306	294	1,011,971	476,979
Ditto, manufactured	19,885	21,178	31,924	44,495	12,539	23,317	1,011,971	476,979
Liquors	640	348	780	273	140	25	1,011,971	476,979
METALS AND MANUFACTURES OF.	25,468	26,359	23,680	23,785	1,788	3,154	1,011,971	476,979
Brass and copper	1,12,088	83,015	1,01,428	75,154	10,660	7,861	1,011,971	476,979
Iron	6,816	6,913	6,459	8,141	357	643	1,011,971	476,979
Other metals	14,875	10,099	11,554	7,500	3,325	2,599	1,011,971	476,979
Opium	19,935	13,736	16,411	14,752	3,524	1,019	1,011,971	476,979
Paints and colours	2,730	3,236	2,890	3,222	160	61	1,011,971	476,979
Ghee	19,830	17,438	21,111	24,696	1,281	7,103	1,011,971	476,979
Other kinds	2,977	3,647	2,911	3,594	66	63	1,011,971	476,979
Railway materials, Construction Account	4,32,541	13,626	3,23,795	6,851	1,08,546	6,175	1,011,971	476,979
Ditto ditto, Foreign	2,62,400	2,07,469	1,78,285	1,50,194	84,115	67,276	1,011,971	476,979
Salt	8,81,067	2,21,097	7,46,521	1,93,514	1,34,546	27,573	1,011,971	476,979
SALTPETRE, &c.	58,214	30,288	47,780	26,032	10,434	4,256	1,011,971	476,979
Saltpetre	56,911	9,888	23,214	6,455	13,697	3,433	1,011,971	476,979
Other saline substances	5,36,285	1,88,156	7,78,867	2,69,153	2,42,582	82,907	1,011,971	476,979
SEEDS	2,79,643	1,20,478	6,36,254	3,21,693	3,56,611	2,01,184	1,011,971	476,979
OIL SEEDS.	7,750	4,120	25,741	11,633	17,991	7,513	1,011,971	476,979
Mustard and rape	2,38,487	82,894	2,14,698	83,056	23,789	603	1,011,971	476,979
Til or simjilij	4,353	1,290	3,088	547	1,265	743	1,011,971	476,979
Other oilseeds	40,536	19,311	30,857	18,994	9,679	517	1,011,971	476,979
Indigo seed	2,278	2,382	2,176	2,350	102	32	1,011,971	476,979
Fen seed	273	335	439	566	293	166	1,011,971	476,979
Other kinds	5,685	6,293	10,828	9,066	5,143	2,3	1,011,971	476,979
SILK	1,08,026	9,739	99,044	15,414	8,982	5,143	1,011,971	476,979
Do., ditto (Indian)	2,13,124	51,297	2,76,636	82,042	63,512	3,8	1,011,971	476,979
Sugar, refined	8,508	2,820	1,03,653	20,791	95,145	17,971	1,011,971	476,979
Do., unrefined	5,316	5,248	4,323	7,413	1,097	2,107	1,011,971	476,979
Tea, Indian	749	952	698	950	51	2	1,011,971	476,979
Do., Foreign	91,661	48,921	1,11,976	64,187	20,715	15,206	1,011,971	476,979
Tobacco	43,089	12,371	29,339	8,747	13,750	3,624	1,011,971	476,979
WOOD	72,812	4,283	20,551	1,416	51,261	2,867	1,011,971	476,979
Firewood	1,931	893	1,639	1,328	292	568	1,011,971	476,979
Wool, raw	1,006	1,220	1,643	1,229	637	37	1,011,971	476,979
Do., manufactured (European)	2,83,246	1,66,453	2,59,338	1,54,324	23,908	12,109	1,011,971	476,979
Wool, manufactured (Indian)	25,502	47,449	23,276	41,471	2,226	5,978	1,011,971	476,979
Shawls	1,34,420	25,072	1,18,266	26,893	16,154	1,821	1,011,971	476,979
All other articles of merchandise	84,54,591	28,76,284	1,07,36,863	42,55,831	6,74,229	1,95,034	29,56,001	15,54,581
Government stores								
Minerals								
Total	84,54,591	28,76,284	1,07,36,863	42,55,831	6,74,229	1,95,034	29,56,001	15,54,581

*Remarks on the fluctuations of principal staples carried over the East Indian Railway during five weeks and 2 days ended 30th June 1884.*

INCREASES.

*Railway Material, Foreign.*—This increase is accounted for by State and other Railways being in course of construction.

*Salt.*—Improved demand in the Patna and Benares districts led to the increase in this staple.

*Rice.*—This increase is attributable to local demand in the districts affected by the deficient rainfall last year.

*Piece-goods.*—A better tone in the Calcutta market and larger indents from up-country dealers were the causes to which the increase in this staple may be assigned.

*Hides.*—This increase may be attributed to better supply and favourable market.

*Coal, down.*—The increase in the down coal is due to larger despatches to the Eastern Bengal Railway and to demand for brick-burning coal in the Sahebgunge district.

DECREASES.

*Wheat.*—The very serious decrease in this staple is due to an almost total want of demand for export.

*Seeds.*—The decrease is in Lin, Til, and Rape seeds, and is attributable to want of demand and generally dull markets in respect of the two former, and deficient supply of the latter.

*Gunny.*—The falling off in the wheat traffic accounts for this decrease.

*Gram and Pulse.*—The decrease in these staples may be assigned to short distance local traffic consequent on deficient rainfall.

*Coal, up.*—Smaller indents from Foreign Railways caused the decrease in the up-coal traffic.

*Cotton.*—Absence of stock and consequent dulness of market accounts for the decrease in this commodity.

*Sugar.*—This decrease is attributable to partial failure of the sugarcane crop last season.

*Liquors.*—Due to ordinary fluctuation of trade.

N. ST. L. CARTER, *Traffic Manager.*

TRAFFIC MANAGER'S OFFICE, JAMALPUR, 11th August 1884.

## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 2nd August 1884 on 1,509½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	103,000	2,08,290 8 0	19,87,574 20	4,48,400 6 3	16,551 2 1	6,71,221 0 4	61,217½	89,137	150,354½
Or per mile of railway ...	.....	137 15 6	.....	295 11 9	10 15 5	444 10 8	.....	.....	.....
For previous 4 weeks of half-year ...	740,273	7,42,856 0 0	76,42,230 20	17,92,317 14 11	66,594 7 1	26,01,768 6 0	239,215½	333,407½	572,623
Total for 5 weeks ...	930,273	9,51,116 8 0	96,29,805 0	22,38,727 5 2	83,145 9 2	32,72,980 6 4	290,432½	422,814½	713,247
COMPARISON.									
Total for corresponding week of previous year ...	174,688½	1,88,687 10 0	22,26,504 50	6,47,470 8 0	16,078 1 2	8,52,236 3 2	59,694	130,789	190,483
Per mile of railway, corresponding week of previous year ...	.....	125 0 8	.....	429 1 2	10 10 6	564 12 4	.....	.....	.....
Total to corresponding date of previous year ...	977,098	9,92,946 7 10	1,16,28,578 10	33,88,106 3 10	83,379 2 9	44,34,431 14 5	399,654	608,925	1,008,579

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 4TH AUGUST 1883.			RECEIPTS FOR WEEK ENDING 2ND AUGUST 1884.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 4TH AUGUST 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 2ND AUGUST 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
1,509	Rs. 8,52,236	Rs. 565	1,509½	Rs. 6,71,221	Rs. 445	1,509	Rs. 1,85,40,028	Rs. 12,292½	1,509½	Rs. 1,40,60,538	Rs. 9,371	Rs. ....	Rs. 36,48,470

## PATNA AND GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 2nd August 1884 on 57½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	9,619	4,833 3 0	52,884 20	4,943 13 0	36 5 0	8,913 5 0	1,718	969	2,687
Or per mile of railway ...	168	84 7 11	924 30	70 11 2	0 10 2	155 13 3	.....	.....	.....
For previous 4 weeks of half-year ...	32,729	17,035 3 0	1,71,017 30	13,080 8 0	131 0 0	31,144 11 0	6,961½	4,973½	11,935
Total for 5 weeks ...	42,348	22,768 6 0	2,23,902 10	17,124 5 0	167 5 0	40,059 0 0	8,679½	5,947½	14,627
COMPARISON.									
Total for corresponding week of previous year ...	7,769	4,137 5 6	13,402 10	1,007 7 0	32 11 0	5,207 7 6	2,029	753	2,782
Per mile of railway, corresponding week of previous year ...	138	72 5 3	235 20	19 2 0	0 9 2	92 1 5	.....	.....	.....
Total to corresponding date of previous year ...	39,526½	18,724 2 6	1,22,978 0	9,041 10 0	263 9 0	28,629 5 6	9,118	5,240	12,358

Approximate Statement of gross receipts of the Patna and Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 4TH AUGUST 1883.			RECEIPTS FOR WEEK ENDING 2ND AUGUST 1884.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 4TH AUGUST 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 2ND AUGUST 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
57½	Rs. 5,207	Rs. 92	57½	Rs. 8,913	Rs. 156	57½	Rs. 1,47,753	Rs. 2,583	57½	Rs. 1,03,555	Rs. 2,085	Rs. 5,802	Rs. ....

## GHAZIPUR-DILDARNAGAR STATE RAILWAY.

Approximate Return of Traffic for week ended 2nd August 1884 on 12 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,434	449 5 0	5,563 0	138 3 0	33 4 0	620 12 0	216	113	329
Or per mile of railway ...	.....	37 7 1	.....	11 8 3	2 12 4	51 11 8	.....	.....	.....
For previous 4 weeks of half-year ...	9,107	1,559 14 0	29,447 20	699 8 0	199 14 0	2,450 4 0	551	671	1,222
Total for 5 weeks ...	11,541	2,009 3 0	35,010 20	828 11 0	233 2 0	3,071 0 0	767	784	1,551
COMPARISON.									
Total for corresponding week of previous year ...	2,165	374 12 2	6,641 10	169 3 0	22 10 0	557 9 2	234	85	319
Per mile of railway corresponding week of previous year ...	.....	31 3 8	.....	13 5 7	1 14 2	46 7 5	.....	.....	.....
Total to corresponding date of previous year ...	10,723	1,867 15 0	41,726 0	1,060 15 0	139 6 0	3,078 4 0	1,089	556	1,645

Approximate Statement of gross receipts of the Ghazipur-Dildarnagar State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 4TH AUGUST 1883.			RECEIPTS FOR WEEK ENDING 2ND AUGUST 1884.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 4TH AUGUST 1883.		TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 2ND AUGUST 1884.		Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Mean mileage worked.	Total receipts.	Per mile worked.	
	Rs.	Rs.		Rs.	Rs.		Rs.		Rs.	Rs.	
12	558	46	12	621	52	12	18,610	12	21,004	1,750	2,394

## SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 2nd August 1884 on 74½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,970	2,865 9 0	41,594 0	1,496 0 0	91 7 0	4,363 0 0	623	1,349	1,972
Or per mile of railway ...	.....	38 7 5	.....	18 15 11	1 3 8	58 9 0	.....	.....	.....
For previous 4 weeks of half-year ...	15,750	13,864 15 0	1,84,637 10	8,745 15 3	333 9 0	22,994 7 3	2,469½	3,302½	5,772
Total for 5 weeks ...	19,720	16,730 8 0	2,26,231 20	10,151 15 8	445 0 0	27,327 7 3	3,092½	4,651½	7,744
COMPARISON.									
Total for corresponding week of previous year ...	3,970½	3,739 15 6	15,713 30	1,932 7 0	117 12 0	5,490 2 6	716	522	1,238
Per mile of railway corresponding week of previous year ...	.....	50 3 3	.....	21 14 7	1 9 3	73 11 1	.....	.....	.....
Total to corresponding date of previous year ...	20,185	16,886 6 10	78,372 10	9,538 11 0	364 1 0	20,589 2 10	3,204	5,178	6,327

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 4TH AUGUST 1883.			RECEIPTS FOR WEEK ENDING 2ND AUGUST 1884.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 4TH AUGUST 1883.		TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 2ND AUGUST 1884.		Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Mean mileage worked.	Total receipts.	Per mile worked.	
	Rs.	Rs.		Rs.	Rs.		Rs.		Rs.	Rs.	
74½	5,490	74	74½	4,363	59½	74½	1,11,211	74½	1,25,064	1,687	14,453



## BENGAL PROVINCIAL RAILWAYS.

## Weekly Statement of Traffic Receipts.

Latest return received.	Name of Railway.	Length open.	RECEIPTS FOR WEEK ENDING		TOTAL RECEIPTS FROM 1ST JANUARY		Total increase in 1884.	Total decrease in 1884.	Percentage of increase or decrease.
			5th May 1883.	3rd May 1884.	To 5th May 1883.	To 3rd May 1884.			
1884.		Miles.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
21st June ...	Northern Bengal ...	249	38,290 0 0	37,221 0 0	8,47,591 0 0	6,61,585 0 0	1,86,006 0 0	...	-22
17th May ...	Tirhoot ...	193	14,416 0 0	20,615 0 0	2,80,483 0 0	3,87,450 0 0	1,06,967 0 0	...	+38
21st June ...	Calcutta and South-Eastern ...	56	5,415 0 0	5,579 0 0	1,05,789 0 0	1,19,850 0 0	14,061 0 0	...	+13
31st May ...	Nalhati ...	27½	1,729 0 0	1,296 0 0	30,843 0 0	26,456 0 0	4,387 0 0	...	-14
	Total ...	525½	59,841 0 0	64,701 0 0	12,64,706 0 0	11,95,341 0 0	69,365 0 0	...	-5

## BENGAL PROVINCIAL RAILWAYS.

## Weekly Statement of Traffic Receipts.

Latest return received.	Name of Railway.	Length open.	RECEIPTS FOR WEEK ENDING		TOTAL RECEIPTS FROM 1ST JANUARY		Total increase in 1884.	Total decrease in 1884.	Percentage of increase or decrease.
			12th May 1883.	10th May 1884.	To 12th May 1883.	To 10th May 1884.			
1884.		Miles.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs.	Rs.	
21st June ...	Northern Bengal ...	249	37,132 0 0	41,411 0 0	8,84,743 0 0	7,02,996 0 0	1,81,747	...	-21
17th May ...	Tirhoot ...	193	16,321 0 0	21,765 0 0	2,96,804 0 0	4,60,215 0 0	1,12,411	...	+38
21st June ...	Calcutta and South-Eastern ...	56	5,651 0 0	5,163 0 0	1,11,440 0 0	1,25,613 0 0	13,573	...	+12
31st May ...	Nalhati ...	27½	1,717 0 0	1,408 0 0	32,509 0 0	27,954 0 0	4,606	...	-14
	Total ...	525½	60,841 0 0	69,837 0 0	13,25,547 0 0	12,65,178 0 0	60,339	...	-7

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs. A. P.
Earnings for week ending 26th July 1884 ...	10,699 0 0
Corresponding week last year ...	10,948 10 1
Decrease ...	249 10 1
Receipts from 1st July to 26th July 1884 ...	31,336 0 0
Ditto 1st July to 26th July 1883 ...	28,494 11 1
Increase ...	2,841 4 1
Miles open week ending 26th July 1884 ...	50
Corresponding week last year ...	50
Receipts per mile open week ending 26th July 1884 ...	Rs. A. P. 213 15 8
Corresponding week last year ...	218 15 7
Decrease ...	4 15 11

DARJEELING, the 2nd August 1884.

D. L. PRESTAGE, For Secretary.

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs. A. P.
Earnings for week ending 2nd August 1884 ...	9,158 0 0
Corresponding week last year ...	10,752 14 6
Decrease ...	1,594 14 6
Receipts from 1st July to 2nd August 1884 ...	40,494 0 0
Ditto ditto to 4th August 1883 ...	39,247 10 5
Increase ...	1,246 5 7
Miles open week ending 2nd August 1884 ...	50
Corresponding week last year ...	50
Receipts per mile open week ending 2nd August 1884 ...	Rs. A. P. 183 2 7
Corresponding week last year ...	215 0 11
Decrease ...	31 14 4

DARJEELING, the 8th August 1884.

W. STEVENSON, Secretary.



# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, AUGUST 20, 1884.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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### RESOLUTION ON THE REPORT OF THE SANITARY COMMISSIONER FOR BENGAL FOR THE YEAR 1883, AND THE REPORT ON VACCINATION IN BENGAL FOR THE YEAR 1883-84.

#### MUNICIPAL DEPARTMENT—SANITATION.

*Calcutta, the 15th August 1884.*

#### RESOLUTION.

##### READ—

The Report of the Sanitary Commissioner for Bengal for the year 1883, and the Report on Vaccination in Bengal for the year 1883-84.

##### Read again—

The Reports for the previous year, and the Resolution recorded upon them.

In explaining the cause of delay in submitting the present Report, the Sanitary Commissioner urges that "the time allowed for the collection and analysis of the vaccination statistics of this great Province is quite insufficient." Every endeavour was made to complete the Vaccination Report in time for its incorporation with the General Report on Sanitation. Monthly returns were called for, and the vaccinating season was curtailed to admit of the earlier submission of the final returns for the year. Nevertheless, the time occupied in compiling and examining the returns was more than is allowed under existing orders. Considering the importance which is attached to the

submission of the Sanitary Report of this Province by the prescribed date, the Lieutenant-Governor trusts that still further endeavours will be made to ensure its punctual submission in the future.

2. The year under review was a comparatively healthy one, though unfavourable from an agricultural point of view. The average rainfall throughout the Province was 58.84 inches against 66.95 inches, the average of previous years. Owing to the irregular distribution of rain, the harvest, and the rice crop in particular, failed to some extent, and, as a consequence, the prices for food-grains rose everywhere, except in the Burdwan and Balasore districts, causing privation and suffering among the poorer classes. The districts which suffered most in this respect were Maldah, Khulna, the Jehanabad sub-division in Hooghly, Lohardugga, Durbhunga, and Monghyr.

3. Very little, if any, improvement was effected in the registration of vital statistics during the year. The Sanitary Commissioner observes that "the usual attention was bestowed on the subject by most of the Magisterial and Police authorities in the way of inspecting the registers, testing the chowkidars' reports, and warning or punishing, legally or departmentally, the reporters or recorders for remissness or neglect. But, with very few exceptions, their efforts to improve registration were at best partial or desultory, not having the least pretensions to system, persistency, or permanence." The districts in which the greatest interest was shown in the work were Burdwan, Bankoora, Beerbhoom, Midnapore, Rajshahye, Hooghly, 24-Pergunnahs, Nuddea, Jessore, Rungpore, Bogra, and Monghyr. Mention is made in particular of the good work done by Major Ramsay and his subordinates in the district of Nuddea, which "resulted in marked improvement in registration." The recorded death-rate of the district was 36 per mille against 40 in the previous year. This may, however, be accepted as approximately correct; and as the Sanitary Commissioner observes, "it should be remembered that the fever mortality was severer in this district in 1882." It is gratifying to notice the hearty co-operation afforded by the Municipality of Midnapore in the promotion of registration in that town. The apathy which is reported to have been shown in the matter by the members of the vaccination establishment calls for severe censure, and the Sanitary Commissioner should take such practical notice as he may think required of the conduct of those in fault.

4. Of 114 towns to which the Compulsory Registration Act IV (B.C.) of 1873 has been extended, in only 25 were its provisions actually enforced. The total number of prosecutions instituted during the year was 297 with 232 convictions, against 235 with 182 convictions in 1882. The largest number of prosecutions was instituted in the Suburbs of Calcutta and in Howrah. The result, though an improvement on that of the previous year, is still very unsatisfactory. The Lieutenant-Governor learns with regret that there appears to be generally no person appointed to detect and report evasions of the law, and that it is overlooked that the chowkidar is bound under penalty by section 6 of the Act to report every birth or death occurring in his beat to the Registrar. Ample provision is made in the law to ensure proper and effectual registration, and when the results are defective, as is found to be the case in most districts, it is evident that advantage has not been taken of this provision. The Sanitary Commissioner reports that "the views of Government on the subject, contained in paragraph 4 of the Resolution on the Annual Report for 1882, were conveyed to the Magistrates for communication to the municipalities in their districts, and quarterly statements of prosecutions instituted were called for, and are being submitted." Better results will be looked for in the next annual report.

5. Births were registered in 46 towns against 45 in 1882, the number recorded, exclusive of 1,437 children still-born, being 37,215, or a ratio of 22.08 per mille of the total population of the towns under registration, against 37,198 with a ratio of 22.65 recorded in the previous year. This apparent incongruity (increase in the number with a decrease in the ratio of births to population) is explained by the fact that the population and births of the town of Cuttack, which had no place in the statistics of 1882, are included



in those of the year under review. The results recorded in the last two years are closely similar. The towns in which the best results were obtained are—

	1883.	1882.		1883.	1882.
Jamulpore in Monghyr ...	49.17	43.79	Bhagulpore ...	33.64	37.87
Revilgunge ...	37.30	29.93	Brahmanberiah ...	33.46	35.11
Bankoora ...	34.93	31.47	Sitamurhi ...	31.34	37.22
Behar ...	34.42	32.75	Bettiah ...	30.47	29.11
Jamulpore in Mymensing ...	34.24	40.64	Gya ...	29.38	33.78
Mokamah ...	33.88	23.75			

In all these towns, with the exception of Bhagulpore and Gya, the birth-rate was in excess of the death-rate. The following table shows the number of births according to sex, and the proportion per cent. of male to female births:—

Sex.	In 1883.			In 1882.		
	Number of births.	Ratio per 1,000 of population.	Proportion per cent. of male to female births.	Number of births.	Ratio per 1,000 of population.	Proportion per cent. of male to female births.
Males ...	19,872	11.79	} 114	20,040	12.20	} 117
Females ...	17,343	10.29		17,128	10.44	

The preponderance of male births still continues to be a noticeable feature in the record of birth registration, illustrating the theory "that the proportion of male to female births is influenced by the relative ages of husband and wife, the male births increasing as the age of the husband preponderates over that of the wife, as is notably the case in India."

6. There was a considerable decrease in the number of deaths recorded in the selected areas during the year, the total, exclusive of 18,225 still-born children, being 1,245,676 against 1,349,651 recorded in 1882. Dr. Lidderdale rightly hesitates to infer that these figures afford either an absolute or a comparative gauge of the real mortality of the two years respectively. Registration, as he says, is "still lamentably defective." "It has improved so far only as to yield a return which bears a somewhat closer approximation to the true death-rate than the outcome of some former years, and to afford indications of the health condition of the people." This is certainly as much as can be said of returns which for 27 out of 45 districts give a death-rate of less than 20 per mille. It is of course beyond dispute that the number of deaths registered even in 1882 was much less than the number which occurred in 1883. It would, indeed, be reasonable to suppose that in the case of such a disease as cholera, which is well recognized among the people, a large decrease in the number of deaths registered indicated an actual decrease of mortality from this cause: and when it is found that local reports, apart from statistical data, are to the same effect, a generally sound conclusion as regards the incidence of this malady may be arrived at. In regard to such affections as fever and bowel-complaints, however, no deduction from the registered figures is yet possible, and the general reports are the only material available for the formation of a judgment upon the condition of the public health. The Sanitary Commissioner remarks that "a larger number of the registering circles failed to record deaths at the higher rates of 20 to 50 and above per 1,000 of population. In 1882, 354 of the 644 registering circles contributed to these rates; this year 307 of the 648 circles furnished them." Large omissions are traceable in most of the districts, especially in Darjeeling, Mymensingh, and the Sonthal Pergunnahs. The provisions of Act IV (B.C.) of 1873, so far as relates to the registration of deaths only, have recently been extended to that portion of the Darjeeling district which lies to the west of the Teesta river, and the result of the measure will be to secure some record of the deaths in this tract where registration has hitherto been partially ignored.



7. The proportions in which the urban and the rural circles contributed to the total number of deaths recorded during the year are as follow:—

	In 1883.		In 1882.	
	Deaths.	Ratio per mille.	Deaths.	Ratio per mille.
Urban ...	67,383	27.28	76,601	31.05
Rural ...	1,178,293	18.49	1,273,050	20.00
Province ...	1,245,676	18.82	1,349,651	20.41

These figures exhibit a diminution in both the urban and rural circles, the former to the extent of 9,218 deaths, or at 3.77 per mille of population, the latter to the extent of 94,757 deaths, or at 1.51 per mille. The following table shows the mortality during the year from specific causes as compared with that for the year 1882 and the quinquennium 1878-82:—

NAME OF DISEASE.	PROPORTION OF DEATHS PER 1,000 OF POPULATION								
	In 1883.			In 1882.			In 1878-82.		
	Urban.	Rural.	Province.	Urban.	Rural.	Province.	Urban.	Rural.	Province.
Cholera ...	5.64	1.27	1.36	4.79	2.67	2.75	3.43	1.53	1.61
Small-pox ...	.27	.14	.14	.34	.20	.20	.27	.27	.23
Fever ...	13.77	13.81	13.81	15.72	14.06	14.06	16.14	11.79	11.87
Bowel-complaints ...	3.54	.73	.83	3.93	.81	.92	4.19	.71	.85
Injury ...	.40	.35	.35	.38	.32	.32	.43	.32	.33
Other causes ...	5.64	2.18	2.30	5.86	1.98	2.12	5.87	1.64	1.80
All causes ...	27.28	18.49	18.82	31.05	20.00	20.41	30.88	16.20	16.75

Cholera, small-pox and bowel-complaints would appear to have proved less fatal in 1883 than during the entire period 1878 to 1882. Fever was, according to these figures, less severe than in 1882, though considerably more so than in the quinquennium, 1878-82. The number of reported casualties from injury and other causes was slightly higher. The statistics collected during the year "again indicate that the cold or dry season is the unhealthiest in the Province, as it is during this period that cholera, fever, and bowel-complaints cause the greatest loss to life." The recorded mortality among infants is still very high, though the recorded urban ratio 178.70 is below that of England, which is said to be 182.6. The death-rates per mille of population according to nationalities were—Christians 12.52, Hindus 18.45, Mahomedans 19.91, Bhuddists 11.84, other races 15.21. The casualties among the Bhuddists was higher than it has been during any year since 1878.

8. The birth-rate in Calcutta was below that recorded for the other Bengal towns, while the death-rate was higher, being 17.15 and 28.44 respectively, against 22.08 and 27.28. The remarks that were made on the statistics furnished in the report for 1882 apply to those contained in the present report. Owing probably to a more correct diagnosis, the death-rate from fever is shown to be less, and the death-rate from "other causes" to be greater in Calcutta than in the other Bengal towns. The average mortality in the cantonments in Bengal, with a population of 33,991, rose from 13.35 per mille in 1882 to 21.50 per mille in the year under review, the chief cause of death being fever. The death-rate was highest in the Hazaribagh Cantonment. Only one death took place in Fort William. Of 21,005 European seaman who visited the Port during the year, 1,948 were admitted into hospital, of whom 81 died. There were 10 casualties besides, which occurred out of hospital. The death-rate was less than in the previous year, being 48.92 per mille against 55.80. The number of deaths among the native floating population was 178 against 186, or at the rate of 7 per mille against 7.32 in the previous year, cholera being the chief cause of death. The Native Inspector, who has been appointed to supervise the floating population, is reported to have done his best to trace cases of sickness, and get them removed to hospital. In alluding to the healthiness of the Port during the year, the Sanitary Commissioner records the following remark, which the Lieutenant-Governor gladly reproduces:—"On the whole, therefore, the year under review must be pronounced to have been a healthy one, which is a matter for congratulation, and indicative of the care and attention bestowed by the Health Officer on the sanitation of the Port."

9. Unlike the year 1882, the most prominent feature in the sanitary report for the Province during 1883 was the decrease in the registered mortality from cholera in both urban and rural circles. "The disease was present in all the 648 registering circles in the Province excepting 46, prevailing epidemically in only 47 against 115 in 1882, severely in 64 against 118, and mildly in 491 against 376, and it attacked only 6.55 per cent. of the villages against 10.98 per cent. The casualties amounted to 90,439, and the death-rate to 1.36 per 1,000 of population, the reduction on the figures of 1882 being 91,913 deaths, or at 1.39 per 1,000, and on the average of the lustrum, 1878-82, 16,107 deaths, or at .25 per 1,000." The following statement shows the comparative registered mortality from cholera in urban and rural circles:—

	In 1883.		In 1882.	
	Deaths.	Ratio per mille.	Deaths.	Ratio per mille.
Urban circles ...	8,993	3.64	11,830	4.79
Rural " ...	81,446	1.27	170,552	2.67

The districts which would appear to have suffered most were Nuddea (4.69), Julpaiguri (4.17), Gya (3.73), 24-Pergunnahs (3.47), Shahahad (3.24), Howrah (3.00), Backergunge (2.40), Jessore (2.21), Darjeeling (2.12), Balasore (2.12), and Cuttack (1.95). A noticeable feature in the cholera history of the year is the progress of the disease in the Darjeeling district. "Commencing in the Terai, the disease spread over the whole district with epidemic virulence, excepting the large hill tract east of the Teesta and several villages west of that river. Localities which had not been visited since 1877 were invaded this year; tea-gardens and other places further in the hills than Darjeeling were attacked; plains and hills were both affected; the Darjeeling Municipality at an elevation of over 7,000 feet did not entirely escape." The recorded death-rate, which is believed to have been considerably under-stated, was 2.12 as stated above against .35 per mille in 1882. The disease was most severe in the dry and hot months of April, May, and June, and as usual subsided during the rains. The reports of the year continue to show that the disease, however propagated, is "fostered by the filthy habits and overcrowding of the population." Some attempt was made by the Civil Surgeon of Gya to discover the etiology of the disease, which broke out simultaneously in many parts of that district with unusual virulence; but although he visited many of the affected localities, his enquiries led to no satisfactory result. The conclusion he arrived at was "that the disease spread irrespective of lines of traffic, and that the prevailing winds did not influence its course." In no instance was the disease traced by him to importation. The subject of the origin and propagation of cholera is attracting much attention at present in consequence of the important discoveries which are thought to have been made by Dr. Koch and the German Cholera Commission. The Government of India have resolved to institute special enquiries, and have deputed for this purpose Dr. D. D. Cunningham, an officer of exceptional qualifications. Instances were brought to notice in which cholera was imported by coolies on their way to Assam, the medical arrangements for their charge being defective. Measures are being taken to ensure a more efficient supervision in future; and at Mugra, in the district of Hooghly, through which large numbers of coolies pass during the first half of the year, arrangements have been made to provide for their medical inspection and treatment when sick. It is not, however, possible, in the present state of the law, to enforce sanitary regulations in the case of free labourers. The conduct of the Nawab Bahadoor of Moorshedabad, and of the Rajah of Deo, and Zemindars Sham Lall Mitter and Nundo Lall Bose of Gya, in affording medical relief to the cholera-stricken among their tenantry, is highly commendable.

The attention of the Suburban Municipality was drawn to the remarks made in the last report on the condition of certain bustees in the suburbs, and the Commissioner and Magistrate of the district were requested to give their personal attention to the matter. The Lieutenant-Governor has also recently called for a report on the condition of the bustees near Cossipore. During the year the Lieutenant-Governor announced his intention of relieving the Municipality of a charge of Rs. 38,000 a year on account of police to assist

the Commissioners in making adequate provision for the extension of filtered water to the suburbs. A portion of the funds thus set free was also to be devoted to the sanitary improvement of the Municipality. The whole question of the measures to be taken for the reform of the suburban bustees is under consideration.

10. Small-pox played a comparatively minor part during the year under review, the recorded number of deaths from that disease being 9,714, or a ratio of 14 per mille of population, against 13,651, or a ratio of 20 in the previous year. With the exception of the years 1875 and 1877, when the number of deaths recorded was 5,280 and 8,088 respectively, the mortality from small-pox in 1883 was lower than that of any year of the preceding decade. It is hoped that still better results will ensue as the value of vaccination becomes more generally known and appreciated. The disease prevailed with more or less severity in 30 circles against 33 in 1882, and was absent from 284 against 280. The proportions in which the urban and rural circles contributed to the total mortality are as follow:—

			In 1883.		In 1882.	
			Deaths.	Ratio per mille.	Deaths.	Ratio per mille.
Urban circles	...	...	672	27	853	34
Rural „	...	...	9,042	14	12,798	20

The disease was found to be specially prevalent during the hot months of March to June. The largest number of casualties occurred among infants and children under 12 years of age, the proportion of deaths among them to total deaths being 71.04. The districts which suffered most were Cuttack (1,570), Pooree (841), Chumprann (657), and Mymensingh (643). Bogra was the only district in Bengal which enjoyed perfect immunity from the disease throughout the year.

11. The total registered mortality from fever was 913,766, the death-rate being 13.81 per mille of the population under registration, against 929,943 with a death-rate of 14.06 per mille in 1882, showing a reduction of 16,177 in the number of deaths, and of .25 per mille in the death-rate. The comparative mortality registered in urban and rural circles during the last two years is shown in the following statement:—

			In 1883.		In 1882.	
			Deaths.	Ratio per mille.	Deaths.	Ratio per mille.
Urban circles	...	...	34,025	13.77	38,792	15.72
Rural „	...	...	879,741	13.81	891,151	14

The seasonal incidence of fever, as illustrated by the mortuary statistics recorded during the year, again shows that the disease is most fatal in the cold weather after the rains have ceased, especially during the months of November and December “when the sodden soil is rapidly drying, and there is a great daily range of temperature.” As in the previous year, the disease was most virulent in the Burdwan, Presidency, and Rajshahye Divisions. The districts which suffered most, and the mortality recorded in each, compared with the figures for the previous year, are given in the subjoined table:—

Districts.			In 1883.		In 1882.	
			Deaths.	Ratio per mille.	Deaths.	Ratio per mille.
Rajshahye	...	...	40,331	30.12	32,450	24.24
Nuddea	...	...	45,705	27.60	60,912	30.50
Burdwan	...	...	32,502	23.35	40,173	28.83
Jessore	...	...	44,882	23.14	34,090	22.93
Pubna	...	...	29,434	22.43	23,575	17.97
Beerbhoom	...	...	17,698	22.27	21,945	27.62
Moorshedabad	...	...	26,734	21.79	31,921	26.01
Bogra	...	...	14,184	19.31	14,487	19.72
Khulna	...	...	18,941	17.53	20,144	18.65
Dinagapore	...	...	26,014	17.17	23,648	15.61



These figures indicate a diminution in the fatality of the disease in nearly all the districts named, the exceptions being Rajshahye, Jessore, Pubna and Dinagapore. In Rajshahye, where the public health has been gradually deteriorating, the chief cause of suffering is attributed to a deficient and vitiated water-supply. The remarks of the Civil Surgeon on the subject will be brought to the notice of the Commissioner of the Division. It is satisfactory to see that the virulence of both the Burdwan and the Nuddea fevers is diminishing, the former at a rapid rate. There are, however, signs that it is spreading into adjoining districts, such as the Sonthal Pergunnahs, which have hitherto enjoyed a happy and remarkable immunity. Of the local enquiries instituted into the cause of fever in the various districts of the Province, mention is made in particular of the enquiry made by Dr. Ghose, Civil Surgeon of Bankoora, which has led him to form the opinion that "soil moisture is not *per se* the cause of fever, but that so long as the contagion, whatever it might be, was not introduced either by human agency or from village to village by the wind, the humidity of the soil did no harm, but the contagion once falling on congenial ground multiplied in abundance, in proportion to the soil moisture, and caused the disease. Where the moisture in the soil, owing to the proximity of a marsh, is perennially damp, there the fever prevails the most." The Civil Surgeon of Maldah remarks that "groups of people congregated thickly together in villages surrounded by soil sodden and saturated by the excremental discharges of years, little or no ventilation, air poisoned by the miasmatic exhalations of decaying animal and vegetable debris, and water rendered impure by nature and art, are all quite sufficient to account for the spread, if not the origin, of disease in an Indian village." Only four deaths occurred from fever among European seamen in the Port of Calcutta, although the number of cases admitted in hospital exceeded that of the previous year, being 323 against 251. This is chiefly owing to the absence from the Port of enteric fever during the year. There was a decline also in the mortality from fever among the native floating population, the recorded number of deaths being 22 against 26 in the previous year.

12. Under the heads of "Bowel-complaints," "Injury," and "Other diseases," the recorded mortality during the year stands at 55,270, 23,670, and 152,817, respectively. Compared with the figures of the previous year, there was a decrease of 6,092 in the number of deaths from "Bowel-complaints," and an increase of 2,059 and 12,085 respectively in the casualties from "Injury" and "Other diseases." Under "Injury" the largest proportion of deaths was caused by snake-bite and attacks of wild beasts. Referring to the statistics indicating the seasonal incidence of bowel-complaints, the Sanitary Commissioner observes "that the morning and evening damps and chills and great alternations of temperature of July, August, and September, and the extreme cold night air and heavy dews of January, November, and December, cause large numbers of the poor, insufficiently clad, and poorly fed portion of the population to succumb to the influence of these maladies. To these causes may be added errors of diet, bad water, and malaria as aids to the propagation of the diseases."

13. Considerable progress was made by the Vaccination Department during the year. The operations of the Government vaccinators were extended for the first time to three thannas in the Monghyr district, seven thannas in the Tipperah district, six thannas in the Chumparun district, two thannas in Shahabad and a portion of Jehanabad in the district of Gya. The area thus protected for the first time occupies 6,179 square miles, and contains a population of 3,800,848. On the other hand, five thannas in the Purneah district, seven thannas in the Maldah district, and three thannas in the district of Bhagulpore, which cover an area of 4,416 square miles, and contain a total population of 1,916,568, were for the first time placed under the licensed system of vaccination. The whole of the Darjeeling Circle, with the exception of the hill tracts, is now vaccinated by licensed agency. In addition to the areas dealt with in former years, the areas which were thoroughly protected at the close of the season 1883-84 comprised 37,969 square miles, with a total population of 15,014,069. The circles in which the largest areas were brought under protec-



tion were Ranchi and Eastern Bengal. The following table shows the recorded number of operations performed during the year:—

CIRCLES.	Total number of vaccinations performed		Difference in 1883-84.	
	In 1883-84.	In 1882-83.	Increase.	Decrease.
Calcutta	9,538	11,373	...	1,835
Metropolitan circles	342,543	344,178	...	1,635
Suburbs of Calcutta, including Cooly Depôts	14,397	15,153	...	755
Total of Metropolitan Circles	356,940	359,330	...	2,390
Darjeeling Circle	221,536	282,291	...	60,755
Ranchi "	146,283	110,893	35,390	...
Sonthal Pergunnahs "	106,985	134,571	...	27,586
Eastern Bengal "	351,016	242,518	108,498	...
Orissa "	52,542	43,858	8,684	...
Behar "	39,627	17,487	22,140	...
Total of Vaccination Circles	1,284,467	1,202,321	82,146	...
Municipalities, Dispensaries, &c.	76,865	59,104	17,761	...
GRAND TOTAL	1,361,332	1,261,425	99,907	...

\* Inclusive of 10,780 repetition cases in the vaccination circles and 139 in the municipal area, aggregating 10,919.

These figures do not include the number of operations performed at the Inland Emigration Cooly Depôts for the six months ending December 1883, nor do they include the work done by 32 of the vaccinators in the Eastern Bengal Circle, whose returns were received by the Superintendent after his annual statements had been closed. Nevertheless they exhibit a satisfactory increase in the number of operations performed both in the vaccination circles and in the municipal area. The large decrease in the Darjeeling Circle is accounted for in "the change from Government to licensed agency operations in Maldah and Purneah, the Government agency on the hills having returned an excess of 6,929 operations. It is also attributed to the difficulty of securing subjects to serve as vaccinifers, which prevented the more vigorous pushing on of operations in Bogra, Rajshahye, and Rungpore, and to some extent to opposition to vaccination in the two first-named districts." The reasons given for the falling off in the number of vaccinations in the Sonthal Pergunnahs Circle are not at all satisfactory, and only tend to show the laxity which prevails in the supervision of the vaccinating establishment in this circle. Now that a separate Superintendent has been appointed, it is hoped that a substantial improvement will follow.

14. The number of successful operations performed during the year in the vaccination circles and the municipal area combined was 1,329,828 against 1,229,058 in 1882-83, the percentage of successful primary cases being 98.66 against 98.60, and of secondary cases 49.42 against 45.12. A higher standard of success was returned by the Calcutta, Metropolitan, Darjeeling, Sonthal Pergunnahs, and Eastern Bengal Circles than by the Ranchi, Behar, and Orissa Circles. There was an improvement also in the number of successful primary operations in the municipal area. Of 1,261,771 persons who were successfully vaccinated in the vaccination circles during the year, 1,275,750 were under one year of age, 836,258 were between one and six years, and 259,077 were above six years. In the municipal area the general results are found to accord with those common to the majority of the vaccination circles. It is supposed that "the main reason why a larger ratio of protection is seen among children above one and under six years of age than among infants is that parents or guardians (particularly mothers) greatly fear to expose children of tender age to vaccination, which is considered to be attended with much

risk." The following is a comparative statement of the amount and value of the work performed by the Government and licensed agencies:—

Agencies.	CIRCLES IN WHICH EMPLOYED.	Number of vaccinators employed.	Total number vaccinated during the year.	PRIMARY VACCINATION.					RE-VACCINATION.				PERCENT. AGE OF SUCCESSFUL CASES.		Average number of persons vaccinated by each vaccinator.	Proportion of persons successfully vaccinated per 1,000 of population.	
				Total.	Successful.			Total at all ages.	Total.	Successful.			Primary.	Re-vaccination.			
					Under one year.	One year and under six years.	Above six years.			Under one year.	One year and under six years.	Above six years.					Total at all ages.
Government agency.	Metropolitan, Darjeeling, Ranchi, Sonthal Pergunnahs, and Eastern Bengal ...	952	893,055	890,188	124,673	607,304	145,737	877,714	2,867	8	264	2,026	2,298	98'81	99'15	938	19'1
	Calcutta, Suburbs of Calcutta, Darjeeling, Ranchi, Sonthal Pergunnahs, Eastern Bengal, Orissa, and Behar ...	325	391,412	385,509	41,710	228,405	110,071	380,186	5,903	45	285	1,343	1,573	99'08	29'56	1,204	8'3

The work performed by the licensed agency was considerably better than that performed by the Government agency. The number of operations performed by each licensed vaccinator was, however, less than that performed by the Government vaccinators. The relative proportions of the various classes vaccinated to the total number of vaccinations were:—

	Percentage of total vaccinations.	
Christians ...	...	32
Hindus ...	...	56'87
Mahomedans ...	...	38'35
Others ...	...	4'44

15. The public feeling in regard to vaccination continues to grow in favour of the measure, though opposition is still exhibited in every circle. "The most backward districts are Hazaribagh, the Kolhan portion of Singhbhum, Monghyr, and the districts comprising the Behar and Orissa Circles, excepting Patna in the former circle—the stoutest opponents are the higher classes of Hindus, the Marwaris, and the Mahomedan Ferazees—and the chief causes of aversion to the measure are objections based on religious grounds; leading members of communities setting a bad example and inciting the lower classes to resistance, the females having a strong objection to the measure, while the males are unable to set aside their entreaties; unwillingness to part with the virus from the arm; objection to arm-to-arm vaccination; bad vaccination engendering disbelief in the protective powers of the prophylactic." The Lieutenant-Governor learns with satisfaction that considerable assistance was afforded by many of the District and Sub-divisional Officers, and by a few private individuals, in promoting the cause of vaccination. The Commissioner of Orissa will be asked to report further on the statement that "the Magistrates of Cuttack, Balasore, and Pooree, although asked, declined to render assistance on the ground that vaccination is not compulsory." The Lieutenant-Governor desires to be further informed of the proceedings of the Sub-divisional Officer of Bagirhat, who refused to see the Deputy Superintendent of Vaccination on the ground of being otherwise engaged.

16. The Compulsory Vaccination Act, V (B.C.) of 1880, was extended during the year to the places mentioned below:—

Burdwan District—	Bydobati town.	Basirhat town.	Chanduria town.
Burdwan town.	Kotrung "	Taki "	Debhata "
Ranigunge "	Serampore "	Baduria "	Murshedabad District—
Kalna "	Utterpara "	Gobardanga "	Berhampore town, in-
Dainhat "	24 Pergunnahs District—	Nuddea District—	cluding Cantonment.
Cutwa "	North Suburban or	Krishnagar town.	Lalbagh town.
Bankura District—	Baranagar town.	Santipore "	Kandi "
Bankura town.	South Suburban town.	Ravaghat "	Jangipore "
Bishenpore "	Rajpore "	Nuddea "	Maldah District—
Midnapore District—	Baripore "	Kashica "	English Bazar town.
Midnapore town.	Jaynagar "	Meherpore "	Cuttack District—
Kheerpai "	South Dum-Dum "	Birnagar "	Cuttack Cantonment.
Ghatol "	North ditto "	Kumarkholi "	Bhagulpore District—
Chandrakona "	including cantonment.	Jessore District—	Bhagulpore town.
Ranjibainpore "	South Barrackpore town,	Jessore town.	Kolgong "
Tamlook "	including Cantonment.	Mohespore "	Bhagulpore thana.
Hugli District—	North Barrackpore town.	Kotechandpore "	Kumargunge "
Bhuddesher town.	Baraset town.	Khulna District—	Kolgong "
Bansbaria "	Naihati "	Satkhira town.	Bibipore "

The reports of the year show that the law was introduced into the places named without much opposition, and was found to work satisfactorily. Both the Civil Surgeon of Midnapore and the Cantonment Magistrate of Dum-Dum consider the existing law to be defective in so far as it does not give the local authorities absolute power in the enforcement of its provisions. The Act continued to work smoothly in all the places to which it had been previously extended, with a few exceptions, principal among which was the town of Gya, where the wealthy class of Hindus and the priests of the old town of Gya were the most determined opponents. Six hundred persons were prosecuted for resistance, and of this number 36 were fined Rs. 105-8, the rest being discharged with a warning, which had a wholesome effect. The fees realized during the year from home vaccination, which was carried on in addition to depôt vaccination, were—in Gya Rs. 153-4, in Monghyr Rs. 111-8, and in Jamalpore Rs. 25-8. Notwithstanding the measures taken to prohibit the practice of inoculation, it was found to have been carried on clandestinely in many parts of the Province, and much of the good effected by vaccination was thereby counteracted. The protection afforded by vaccination against small-pox is again proved by the results of the past year, which show that, while the mortality from small-pox in the areas *unprotected* by vaccination stood as high as 25 per 1,000 of population, it amounted in the *fairly well protected* areas to only 17 per 1,000, and in the *thoroughly protected* areas to the still lower ratio of 7 per 1,000.

17. The principal feature in the history of vaccination during the year was the great increase in the use of bovine lymph. Experiments were freely made throughout the Province, and the results were generally as successful as those achieved by the use of humanized lymph. Its efficacy was found to be greater when used direct from the calf than when transmitted in tubes. The following opinion is recorded by Dr. Gupta, whose experiments with the bovine virus in Calcutta were well conducted:—"Whenever lymph, direct from the calf, was used, success was certain: so with good lymph in tubes and used by skilful operators. In cases of failure the causes of non-success were the mixture of serum, blood, and other impurities. In such the lymph is generally coagulated, and comes out like a thread from the tube. That the bovine lymph seems more potent appears from the following facts. The fever is stronger and sets in earlier. The swellings and irritation of lymphatic glands are always greater, and, sometimes, where humanized virus had failed, bovine lymph has succeeded. In the districts (comprising the Metropolitan Circle) the inspectors and vaccinators remarked that the virus was stronger and never degenerated and died out as in former years. In persons who were inoculated during childhood, the bovine lymph has been successful. In re-vaccination cases with calf lymph the percentage of success is much higher than with humanized lymph. Bovine lymph possesses another great advantage over humanized virus, viz., that we always have a plentiful supply whereby we can meet any sudden demand." Vaccination with bovine lymph is now greatly appreciated, especially by the Christian community. It is said that the demands for it during the year were so numerous that the establishment was barely able to cope with them. In no less than 1,352 instances the calf was required to be taken for vaccination to the houses of private persons, and a proposal is now made to charge a fee in such cases in order to meet the expenditure involved. The Sanitary Commissioner considers that it is fully time that the bovine vaccination scheme should be made a permanent institution, and the Lieutenant-Governor will be glad to consider any specific proposals that may be made with this object.

18. The total expenditure on vaccination during the year amounted to Rs. 1,31,274-1-4 against Rs. 1,24,083-12-6, the total expenditure in the previous year, exhibiting an increase of Rs. 7,190-4-10. Of the total expenditure, Rs. 58,518-2-9 represents the cost of the operations conducted by the Government establishment, Rs. 63,910-3-8 that of the establishment provided by Government for supervising the operations of the licensed vaccinators, and Rs. 8,845-10-11 the cost of vaccination to municipalities. In addition to the regular expenditure, several sums received as private contributions were expended in aid of the work. The cost of each successful operation performed by the Government agency was 2 annas 5½ pies, and that by the licensed agency 1 anna 1½ pies, aggregating 1 anna 6½ pies for both departments, or ¼ pie less than the aggregate of the previous year.



19. The percentage of municipal income which was expended on sanitary works during the year was 34 against 31 in the previous year, and on roads it was 18, the same as in 1882. The following table shows the special purposes for which the amount allotted for the sanitation of towns was expended.

NATURE OF WORK.	TOTAL COST.		DIFFERENCE IN 1883.	
	In 1883.	In 1882.	Increase.	Decrease.
	Rs.	Rs.	Rs.	Rs.
Conservancy, including latrines ...	3,07,951	2,61,509	46,442	.....
Ditto establishment ...	3,25,860	3,12,757	13,103	.....
Drainage ...	96,097	1,36,775	.....	40,678
Water-supply ...	1,60,449	31,092	1,29,357	.....
Disposal of the dead ...	7,629	6,917	712	.....
Markets and slaughter-houses ...	16,533	14,170	2,363	.....
Vaccination ...	10,992	12,048	.....	1,506
Treatment of the sick ...	1,69,339	1,24,993	44,346	.....
Other sanitary works ...	53,080	55,168	.....	2,088
Total ...	11,47,930	9,55,429	1,92,501	43,822
Construction, maintenance, and repair of roads ...	6,06,160	5,70,200	35,960	.....
Total, including roads ...	17,54,090	15,25,629	2,28,461	43,822

The large increase under the head of water-supply was chiefly owing to the expenditure on the Burdwan water-supply scheme, which amounted to Rs. 1,10,519; to the extension of the Darjeeling water-supply to Kurseong at a cost of Rs. 10,523; and to the improvement of defects in the water-works at Dacca, which cost Rs. 2,638. The districts in which the largest proportion of municipal income was devoted to sanitation were Julpigoree, Rungpore, Sonthal Pergunnahs, Hazaribagh, and Burdwan. Those in which less than an equitable share of municipal income was expended on sanitary improvements were Khoolna, Mymensingh, Noakholly, and Chittagong.

20. Schemes for the improvement of drainage were inaugurated, and in most cases taken in hand in Serampore, Ghattal, Berhampore, Lalbagh, Azimgunge, Dinagepore, Chittagong, and English Bazar in Maldah. Some progress was made in the Cuttack drainage scheme, which was commenced in 1879. Obstructions to drainage were removed in Nuddea, Moorshedabad, and Dinagepore. In the Sonthal Pergunnahs, a survey of the great swamp to the south of Rajmehal, which is a source of much disease, was made with a view to improve its drainage. Since the close of the year a report has been submitted on this subject, but as it appeared to the Lieutenant-Governor that the efforts made by the local landholders, who would be the chief gainers, were quite inadequate, he declined to grant any assistance from Provincial funds. Much progress was made during the year towards the completion of the Burdwan water-supply scheme, and some good work was done in improving the water-supply in the towns of Berhampore, Dacca, English Bazar, and Kurseong. A Bill to provide for the extension of the Calcutta water supply to the Suburbs has been introduced in the Legislative Council, and it is hoped that, in the course of the current year, material progress will be made with the works. A scheme has also been proposed to provide a supply of filtered water for all the riparian municipalities on the right bank of the Hooghly, from Howrah to Serampore. The difficulties in the way of carrying this into effect have been found more considerable than was anticipated, and some delay is likely to ensue before the details are worked out. The Lieutenant-Governor, however, attaches a high degree of importance to it, and he would be very reluctant to admit that the obstacles are altogether insuperable. Every assistance that can legitimately be given will be rendered, and it is hoped that before long some feasible solution will be discovered. Meanwhile the proposal is under the consideration of Government.

21. The Lieutenant-Governor is again compelled to notice unfavourably the comparatively small amount of sanitary work done by officers of the Department. This subject was prominently alluded to in the Resolution recorded last year, and in view of the instructions then issued by the Sanitary Commissioner, and the remarks made by Government, it was hoped that the records of the year under review would show a marked improvement in this respect. Some slight advance there is, but much less than the Lieutenant-Governor considers he has a right to



expect. It should be distinctly understood that the primary duties of the department under the Sanitary Commissioner are of a sanitary nature. Vaccination is merely one branch of a subject which embraces all matters affecting the public health. There has been in the past a marked tendency on the part of the Sanitary Department to magnify its vaccination duties at the expense of those of a more general character. It was to check this tendency that the Lieutenant-Governor desired the Sanitary Commissioner to prescribe forms of diaries and to lay down rules to secure a greater amount of attention to sanitary work proper. It is therefore disappointing to find in a Report, which, exclusive of appendices and figured statements, extends to 107 printed pages, only six pages devoted to this subject. The Lieutenant-Governor is aware that Dr. Lidderdale resumed charge of the office of Sanitary Commissioner only a few days before the close of the year to which the Report relates, and he is therefore not responsible to a great extent for the shortcomings in question. Mr. Rivers Thompson trusts that the Sanitary Commissioner will now take such measures as will ensure that in the current year the disproportionate division of the attention of his Department between the several branches of their work may be thoroughly rectified.

By order of the Lieutenant-Governor of Bengal,

COLMAN MACAULAY,

*Secretary to the Government of Bengal.*

## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different District of Bengal, as reported to Government during the week ending the 16th August 1884.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date
<b>BENGAL.</b>			
<i>Western Districts.</i>			
<b>BURDWAN DIV.</b>	1 Burdwan, Aug. 16 '84	4.28	Weather—cool and comparatively dry, with occasional showers of rain. Good showers of rain fell at the Sudder and the Raneegunge sub-divisions, but there has not yet been enough for agricultural operations. Prospects continue doubtful; transplanting being much checked and delayed. Prices not changed, but there is a tendency to rise still. Public health generally good.
	Calna	2.21	
	Cutwa	0.91	
	Raneegunge	3.81	
	2 Bankoora, " 16 "	2.77	Considerable rain fell during the latter part of the week. Prospects of <i>amun</i> crop not at all favourable. Want of sufficient rain is a general complaint. Prices somewhat higher than last week. Public health very good.
	Bishenpore	4.02	
	Mahara	4.62	
	3 Beerbhoom, " 16 "	1.51	Weather—seasonable. Adequate rain in many parts of district towards the end of the week. Transplanting of paddy seedlings progressing well in consequence. Crop still very backward and full cultivation impossible. Price of rice high. Public health satisfactory.
	Rampore Haut	3.78	
	4 Midnapore, " 16 "	3.02	Weather—seasonable. Rain still wanted in north of district; elsewhere transplanting of <i>amun</i> paddy drawing to a close. <i>Aus</i> crop promises well. Public health fair.
<b>PRESIDENCY DIV.</b>	5 Hooghly, " 16 "	2.85	Weather—seasonable. Good showers of rain during the last two days of the week have much improved prospects of crops. It is doubtful if the rain has come in time to enable all the seedlings to be planted out. Health good for the time of year. No rise in prices as yet.
	Serampore	4.46	
	Jehanabad	4.02	
	Howrah, " 18 "	0.23	Weather—cool with frequent heavy showers of rain. Early paddy is coming into ear and promises fairly well. <i>Amun</i> is being transplanted and looks well, but more rain still required for its development. Public health good. Prices stationary.
	Oolooberiah	2.92	
		0.85	
	<i>Central Districts.</i>		
	6 24-Pergunnahs Aug. 18 '84	2.96	Weather—seasonable. Prospects of <i>aus</i> paddy, jute, and sugarcane good. <i>Aus</i> being harvested, and the yield is estimated at about 12 annas. Transplanting of <i>amun</i> rapidly going on. Weather has lately been favourable to all crops. Public health generally good.
	7 Nuddea, " 16 "	1.74	Weather—cloudy and rainy. Harvesting of <i>aus</i> continues. More rain wanted in places for transplanting of <i>amun</i> . Fever continues.
	Kooshtea	2.88	
	Choondanga	1.91	
	Meherpore	2.13	
	8 Ranaghat	1.79	Not received.
	Khoolna,	.....	
	9 Jessore, Aug. 16 '84	2.71	Weather—rainy. <i>Amun</i> crop has benefited by recent rain. Transplanting of <i>amun</i> continues. General health good.
	Jhenida	5.44	
	Magoorah	1.64	
	Narail	2.3	
	10 Bongong	4.21	Weather—cloudy and rainy. Prospects of <i>amun</i> much improved by recent rain, but seedlings in many places are almost too big to be transplanted. <i>Aus</i> on high lands a poor crop, hardly worth cutting; on churs in the north much of this crop and of jute has been flooded by the recent rise of the rivers. Public health good.
	Moorsheedabad, " 16 "	2.38	
	Lalbagh	3.79	
	Kandi	3.22	
<b>RAJSHAHIE DIV.</b>	Jungipore	1.77	Weather—seasonable, with good showers of rain. Standing crops doing well. The recent rain has facilitated transplanting of <i>amun</i> paddy. Price of rice varies from 13 to 16 seers per rupee.
	11 Dinagepore, Aug. 16 '84	2.37	
	12 Rajshahye, " 16 "	4.10	Weather—slightly hot. Prospects of <i>amun</i> fairly good. Transplanting of <i>ropas amun</i> has been put off for want of sufficient rain. Public health good.
	Nattore	1.80	
	Nowgong	2.29	Weather—hot and cloudy. Recent rain has greatly facilitated transplanting of <i>amun</i> , which is going on actively. Malarious fever prevalent.
	13 Rungpore, " 16 "	6.94	
	Nilphamari	2.62	
	Gaibanda	1.15	
	14 Kurigram	1.88	Weather—cool. Late showers have done some good to standing crops, but more rain wanted. Transplanting of <i>amun</i> going on slowly. <i>Aus</i> and jute being reaped. Excepting a few cases of fever and sporadic cases of cholera, public health generally fair.
	Bogra, " 16 "	1.04	
	15 Pubna, " 16 "	3.17	Weather—hot, with occasional showers of rain. State of crops favourable. Rivers have risen considerably. More rain wanted.
	16 Darjeeling, " 16 "	4.27	
	17 Julpigoree, " 16 "	12.68	Weather—wet and warm. Prospects of crops good. A few cases of cholera reported; foot-and-mouth disease amongst cattle abating. Public health good. Weather—seasonable. Prospects of crops favourable. About half of the seedlings of <i>haimanti</i> crop transplanted. Public health good.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BENGAL.— <i>conold</i>			
<i>Eastern Districts.</i>			
Dacca Divs.	18 Dacca, Aug. 16 '84	2.53	Weather—hot, with occasional rain. Harvesting of early paddy and jute continues. Injury to standing crops apprehended owing to fall of river and insufficient rain. Public health good.
	Manickgunge ...	3.39	
	Moonsheegunge ...	2.41	
	Naraingunge ...	2.25	
	19 Farreedpore, " 16	4.23	Weather—seasonable. State and prospects of crops generally satisfactory; but in the Madaripore sub-division they are less satisfactory. More rain wanted there and in the Goalundo sub-division. Jute is being steeped. <i>Aus</i> harvesting continues. Public health generally good.
	Goalundo ...	2.40	
	Madaripore ...	1.37	
	20 Backergunge, " 14	0.29	Weather—cloudy. Rain wanted. Prospects of <i>aus</i> crop good. Transplanting of <i>amun</i> crop still going on. Public health good. Cattle-disease decreasing.
	21 Mymensingh, " 15	5.48	Weather—cloudy and cool. Prospects of crops good.
	Jamalpur ...	2.50	
CHITTAGONG Divs.	Kishoregunge ...	2.41	
	Attia ...	1.89	
	Netrokona ...	5.28	
	22 Chittagong, Aug. 18 '84	2.68	Weather—seasonable. More rain wanted. Prospects of crops good. Transplanting of <i>amun</i> continues. Harvesting of <i>aus</i> completed. Prices stationary. Cholera and cattle-disease still reported.
	23 Noakhali, " 15	4.25	Weather—warm and sultry, at times cloudy. Scanty rain occasionally. <i>Aus</i> paddy being reaped. Outturn expected to be about 12 annas. Transplanting of <i>amun</i> continues. Sporadic cases of cholera reported. Cattle-disease much abated.
	Fenny ...	2.07	
	24 Tipperah, " 15	1.63	Weather—hot and showery. <i>Amun</i> crop on high lands suffering for want of rain. Prospects on the whole, however, fair, but rain still needed. <i>Aus</i> crop in the Sadler sub-division reported poor. Harvesting of <i>aus</i> and jute progressing; inconvenience in steeping the latter is felt for want of water. Public health good.
	Brahmunberiah ...	1.60	
	Chandpore ...	3.20	
	25 Chittagong Hill, " 12	1.96	Weather—mornings cloudy. Light showers of rain daily. <i>Jum</i> paddy ripening in some places. Sugarcane thriving well. Prospects of cotton crop good. In some places cotton trees are flowering.
BEHAR.	Tracts. ...		
	Hill Tipperah, " 13	.38	Weather—warm. <i>Amun</i> being transplanted. <i>Jum</i> crops getting on well. Public health good.
	26 Patna, Aug. 16 '84	3.69	Weather—hot and cloudy. The recent rain has greatly benefited <i>bhadoi</i> crop. Paddy seedlings, which began to wither, will now be revived, and transplanting on low lands will be carried on. Cholera and fever reported from interior.
	Behar ...	1.64	
	Dinapore ...	9.31	
	27 Gaya, " 16	3.07	Weather—changed on Sunday evening, the 10th. Ever since rain and clouds have been spreading over the district from the south-west to the north-east. State and prospects of crops greatly improved. Transplanting going on vigorously. <i>Bhadoi</i> crops which had been drooping are revived. With favourable weather in the end of the season, fair crops may be expected.
	Aurangabad ...	9.20	
	Nowada ...	1.20	
	Jehanabad ...	3.2	
	28 Shahabad, " 16	3.03	Weather—seasonable. Recent rain has improved prospects of standing crops, especially paddy, but more still wanted in the Bhubhua and Buxar sub-divisions. Transplanting progressing briskly.
PATNA Divs.	Buxar ...	1.95	
	Sasseram ...	5.2	
	Bhabua ...	1.6	
	29 Durbhunga, " 16	.73	Weather—cloudy; sometimes stormy. Some rain fell in Tajpore, and prospects have generally improved. Rain very badly wanted in the Sudder and Madhubani sub-divisions both for <i>bhadoi</i> and <i>aghani</i> crops. Prices gradually rising. Public health good.
	Madhubani ...	1.23	
	Tajpur ...	3.62	
	30 Mozufferpore, " 18	2.39	Frequent rain, though partial and irregularly distributed; clouds and sunshine alternately. The rainfall has secured <i>bhadoi</i> harvest; <i>sama</i> , <i>marua</i> , <i>kanni</i> , <i>janera</i> , and <i>maize</i> all promising. The people are busily engaged in taking advantage of moisture to transplant paddy.
	Sitamarhi ...	4.86	
	Hajipore ...	1.59	
	31 Saran, " 16	5.60	Weather—seasonable, with heavy showers of rain. Rain, though unequally distributed, has been general throughout the district, effecting a material improvement in the prospects of Indian-corn and other <i>bhadoi</i> crops. Owing to a rise in the Ganges, crops on dearah lands have in places been destroyed. Transplanting of paddy going on briskly, but more rain wanted for transplanting on high lands. Manufacture of indigo, first cutting, completed, but the outturn is very disappointing. Prices fairly steady. Cases of cholera have been reported from the Barowli outpost in the Gopalgunge sub-division; otherwise public health good.
BHAGALPORE Divs.	Sewan ...	3.45	
	Gopalgunge ...	4.93	
	32 Champarni, " 16	1.80	Weather—hot and cloudy, with frequent showers of rain. The recent rain has done much good to <i>bhadoi</i> crops which are looking very well, but more rain wanted for transplanting of <i>aghani</i> paddy.
	33 Monghyr, Aug. 16 '84	3.97	Weather—showery. The late rain has benefited standing crops very materially. Transplanting of <i>aghani</i> , which had been interrupted, is now being pushed on vigorously. Public health good. Prices steady.
	Begusarai ...	1.80	
	Jamui ...	4.77	
	34 Bhagalpore, " 18	.80	Want of rain in the Sudder and Sopoole sub-divisions, has retarded transplanting of paddy. Paddy seedlings have been injured. <i>Bhadoi</i> or autumn crops being cut, and outturn not expected to exceed 8 annas. Heavy rain in Banka and Mudhepoora has improved prospects of crops; paddy being transplanted wherever there has been sufficient rain. Price of rice has risen generally; at the Sudder station it is selling at 12 seers 10 chittacks per rupee.
	Banka ...	3.80	
	Mudhepoora ...	5.94	
	Sopoole ...	0.10	
BHAGALPORE Divs.	35 Purneah, " 16	4.21	Weather—showery. <i>Bhadoi</i> much damaged from drought. Transplanting stopped till lately, and seedlings damaged. Inundation from Ganges in south of district and from Kosi in west. Health fair.



No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BEHAR—concl'd.			
BHAUGULPORE DIVN.—cont'd.	36 Maldah, Aug. 16 '84	3.53	Weather—cool and cloudy. For want of sufficient rain very much land in the Barindra remains to be transplanted out with <i>haimansi</i> paddy. The rainfall of the week has done some good to standing crops in certain places. Multitudes of grasshoppers doing much harm to crops in thana Kharba and also in the thanas in the Barindra tract, viz. east of the river Mohananda. Prices of food grains stationary. General health good. Rainfall has been general, but hardly sufficient for all purposes. Indian-corn may now be considered safe, though the yield will in places be affected by scanty rain of the past two weeks. Paddy, which has been transplanted, now doing well, but a good deal remains to be put out; the rainfall is still inadequate for transplanting paddy on high lands. Small-pox continues at Sahebgunge, and cholera re-appearing in the Sudder sub-division.
	37 Sonthal Pergha, " 16 "	1.93	
	Dooghur " " "	1.51	
	Godda " " "	1.16	
	Rajmehal " " "	1.03	
	Jamtara " " "	3.43	
Pakour " " "	3.00		
ORISSA.			
ORISSA DIVN.	38 Cuttack, Aug. 15 '84	4.95	Weather—seasonable and cloudy. <i>Beali</i> in ear, and in some places ripening. <i>Sarad</i> being weeded and growing well. Common rice selling at from 16 to 20 seers per rupee in the town, and 22 to 28 seers in mofussil. There was sufficient rain last week almost all over the district. Public health generally good, with exception of a few cases of cholera in the interior. Weather—hot and cloudy. Transplanting and weeding of <i>sarad</i> crops going on, except in the tracts on the Chilka, where rain much wanted. More rain wanted everywhere. Miscellaneous crops doing well. Common rice selling at an average of 22 seers 6 chittacks per rupee in the Sudder sub-division, 24 seers 3 chittacks in the Khorda sub-division. Cholera still reported. Weather—cloudy with light showers of rain at intervals. Rain has fallen almost everywhere in the district. Weeding and transplanting of <i>sarad</i> crop going on. More rain wanted in Chakla Agarpura of the Bhadrak sub-division. Public health good. Price of rice stationary.
	39 Pooree, " 14 "	1.15	
	40 Balasore " 15 "	3.50	
CHOTA NAGPORE.			
South-West Frontier Agency.			
41	Hazaribagh, Aug. 15 '84	4.57	Weather—seasonable. Prospects of <i>bhadai</i> crops good. The late rain has greatly benefited paddy. Prices of food-grains continue high. Cholera and small-pox reported from certain police stations; otherwise general health good. Weather—seasonable. Heavy rain during the week. Prospects of crops good in consequence. Prices, however, have not improved as yet, and in some places have slightly risen. Public health good. Weather—bright and hot. Prospects continue favourable. Indian-corn, paddy and all other crops promise well. Public health and condition of cattle good. Weather—showery. Transplanting of winter paddy has generally made good progress, though want of rain is still complained of in places. Indian-corn and other autumn crops promise well. Coarse rice selling in the Furulia market at 19½ seers per rupee. Cholera and small-pox still reported from certain places.
42	Lohardugga, " 16 "	4.26	
	Palamow " " "	3.23	
	(6th Aug. to 12th idem.)		
43	Singbhoom, " 15 "	2.39	
44	Manbhoom, " 16 "	4.15	
	Gevindpore " " "	3.03	
	Barabazar (up to 13th instant.)	1.55	

Published for general information.

CALCUTTA, STATISTICAL DEPT.,  
The 19th August 1884.COLMAN MACAULAY,  
Secy. to the Govt. of Bengal.



## PRICES-CURRENT of Food-grains, Firewood and Salt in the

Number.		DISTRICTS.	RETAIL SALE:—QUANTITIES PER RUPEE BY																							
			WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULURSH MILLET CUMBOO, BAJRA.			GREAT MILLET— CHOLUN JOWAR.								
			Present return.	Next preceding return	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.			
BENGAL.																										
Western Districts.																										
1	Burdwan	A	14 8	14 8	15 0	22 0	22 8	21 0	11 4	12 4	17 4	13 8	15 12	22 12	...	...	...	...	...	...	...	...	...	...	...	...
2	Bankoora	B	15 8	16 0	14 8	16 0	17 0	16 0	12 8	12 8	19 0	15 0	15 8	24 8	...	...	...	...	...	...	...	...	...	...	...	...
3	Peerbhoom	C	16 8	16 0	15 0	...	...	...	12 0	14 0	16 8	13 8	16 0	21 0	...	...	...	...	...	...	...	...	...	...	...	...
4	Midnapore*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	Hooghly*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Howrah	...	14 0	14 0	13 4	...	...	...	11 4	11 4	13 8	13 4	13 8	17 8	...	...	...	...	...	...	...	...	...	...	...	...
Central Districts.																										
	Calcutta	D	17 10	17 12	14 9	27 0	21 5	19 6	8 6	8 14	10 12	11 0	11 6	16 0	13 0	15 0	20 0	13 0	...	...	...	...	...	...	...	21 6
6	24-Pergunnahs	...	14 0	14 0	13 6	17 8	17 8	16 0	8 0	8 0	8 0	14 8	13 12	16 0	...	...	...	...	...	...	...	...	...	...	...	...
7	Nudda	E	16 12	16 12	14 8	21 6	21 6	...	11 6	12 6	15 4	12 13	12 13	17 4	...	...	...	...	...	...	...	...	...	...	...	...
8	Khoolna*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	Jessore	F	14 0	16 0	13 4	...	...	...	13 6	13 0	16 0	16 8	16 0	21 4	...	...	...	...	...	...	...	...	...	...	...	...
10	Moorshedabad	G	18 0	18 0	15 0	...	...	...	11 0	12 8	14 6	13 0	13 8	20 0	...	...	...	...	...	...	...	...	...	...	...	...
11	Dinapore	H	17 4	17 8	16 0	17 8	14 0	17 8	12 8	12 0	18 0	15 0	13 8	20 0	...	...	...	...	...	...	...	...	...	...	...	...
12	Rajahahye	...	17 13	18 4	15 4	26 4	31 4	33 0	12 8	12 12	14 0 to 16 0	14 8	15 0	18 0	...	...	...	...	...	...	...	...	...	...	...	...
13	Rungpore	I	20 0	20 0	13 6	...	...	...	9 12	10 12	12 6	13 0	15 4	16 0	...	...	...	...	...	...	...	...	...	...	...	...
14	Bogra	...	16 8	16 8	16 0	...	...	...	9 12	9 12	12 0	15 12	15 12	21 0	...	...	...	...	...	...	...	...	...	...	...	...
15	Pubna	J	23 0	23 4	18 12	...	...	...	8 4	8 4	8 8	16 8	17 4	18 12	...	...	...	...	...	...	...	...	...	...	...	...
16	Darjeeling	K	...	...	8 0	...	...	8 0	5 0	5 0	4 0	11 0	11 0	12 0	...	...	...	...	...	...	...	...	...	...	...	...
17	Julpigoree	L	10 0	10 0	10 0	20 0	20 0	20 0	11 0	11 0	13 0	16 0	14 0	16 0	...	...	...	...	...	...	...	...	...	...	...	...
Eastern Districts.																										
18	Dacca	M	16 0	16 0	12 8	23 0	23 0	23 0	13 0	13 0	16 8	16 0	16 0	23 0	...	...	...	...	...	...	...	...	...	...	...	...
19	Furzedpore	N	20 0	20 0	21 0	34 0	34 0	30 0	14 0	14 0	18 0	16 0	16 0	20 0	...	...	...	...	...	...	...	...	...	...	...	...
20	Backergunge	O	...	...	...	...	...	...	16 0	15 0	18 0	18 0	18 0	21 0	...	...	...	...	...	...	...	...	...	...	...	...
21	Mymensingh	P	13 0	12 8	11 8	...	...	...	12 0	12 8	15 0	16 0	17 0	19 0	...	...	...	...	...	...	...	...	...	...	...	...

\* Return not received.

A In the sub-divisions the retail prices of salt per rupee were:—Culna 14 seers, Cutwa 12 seers, and Ranegunge 13½ seers.

B The retail price of salt in the interior ranged from 11½ to 16 seers per rupee.

C The retail price of salt in the interior ranged from 11½ to 13½ seers per rupee.

D In the sub-divisions the retail prices of salt per rupee were:—Baraset and Basserhat 13 seers, Barrackpore 12½ seers.

E In the sub-divisions the retail prices of salt per rupee were:—Koochit 13 seers, Meherpore 11½ seers, Choudhura 14 seers, and Ranaghat 12½ seers.

F In the sub-divisions the retail prices of salt per rupee were:—Jhenidah and Naital 12 seers, Magurah 10½ seers and Bongong 13 seers.

G In the sub-divisions the retail prices of salt per rupee were:—Lalbagh 11 seers, Jungypore and Kandi 12 seers.

H The retail price of salt at Raigunge was 11½ seers and at Nitpore 10 seers per rupee.

## Districts of Bengal for the Fortnight ending the 15th August 1884.

THE SEER OF 80 TOLAHS.																		WHOLE-SALE PRICES PER MAUND OF 40 SEERS			DISTRICTS.												
LESSER MILLET— RAOI OR MURWA AND CHEENA.			MAIZE OR INDIAN- CORN.			GRAM.			FIREWOOD.			SALT.			SALT.																		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.																
S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.																
...	...	...	...	...	...	19	4	19	8	19	8	120	0	120	0	13	4	13	5	12	10	3	0	3	0	3-0-3	Burdwan.						
...	...	...	...	24	0	24	0	32	0	17	13	17	12	17	12	240	0	240	0	12	4	12	4	12	0	3	2	3	2	3-3-6	Baukoora.		
...	...	...	...	...	...	19	0	19	0	21	0	160	0	160	0	12	0	12	0	11	4	3-2-6	3-2-6	3	7	...	...	...	...	Beerbhoom.			
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Midnapore.		
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Hooghly.		
...	...	...	...	...	...	18	0	18	0	17	0	80	0	80	0	80	0	13	0	13	0	3	0	3	0	3	0	...	...	...	...	Howrah.	
BENGAL.																																	
Western Districts.																																	
...	...	...	...	...	...	22	0	21	5	17	12	100	0	100	0	90	0	...	...	13	5	...	2	12	2	12	...	...	...	...	...	Central Districts.	
...	...	...	...	...	20	0	26	10	17	8	17	8	17	8	100	0	100	0	80	...	12	13	12	13	13	5	3	0	3	0	2	14	Calcutta.
...	...	...	...	...	...	22	15	22	15	20	0	...	...	...	...	...	11	10	11	10	11	10	3	0	3	0	3	0	...	...	...	24-Pergunnahs.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Nuddea.	
...	...	...	...	...	...	22	12	22	8	18	0	120	0	120	0	10	12	10	12	12	0	3	2	3	2	3	2	...	...	...	...	Khoolna.	
...	...	...	...	...	...	23	0	23	0	23	0	120	0	120	0	11	9	11	9	11	0	3-2-6	3	3	3	8	...	...	...	...	...	Jessore.	
...	...	...	...	...	...	17	8	17	0	18	0	160	0	160	0	80	...	12	0	12	0	11	8	3	4	3	4	3	6	...	...	Moatsadabad.	
...	...	...	...	...	...	23	10	22	8	22	0	240	0	240	0	12	9	12	9	13	0	3	1	3	1	3	0	...	...	...	...	Dinapore.	
...	...	...	...	...	...	18	0	17	0	17	3	100	0	100	0	110	...	9	0	10	05	11	14	3	14	3	12	3-5-3	...	...	...	Rajshahiye.	
...	...	...	...	...	...	16	8	19	8	18	0	60	0	60	0	51	0	2	0	12	0	12	0	3-5-4	3-5-4	3	2	...	...	...	...	Bogra.	
...	...	...	...	...	...	22	8	22	8	18	8	200	0	200	0	12	6	12	6	12	0	3	2	3	2	3	4	...	...	...	...	Pubna.	
12	0	11	0	10	0	14	0	13	0	13	0	10	0	10	0	8	0	10	8	10	8	0	4	6	4	6	4	8	...	...	...	...	Darjeeling.
...	...	...	...	...	...	...	...	16	0	128	0	128	...	128	...	12	4	12	4	11	8	3	4	3	4	3	4	...	...	...	...	Julpigoree.	
Eastern Districts.																																	
...	...	...	...	...	...	19	0	19	0	17	4	80	0	80	0	110	0	13	0	13	0	12	4	3-1-6	3-1-6	3	4	...	...	...	...	Dacca.	
...	...	...	...	...	...	17	0	17	0	18	0	120	0	120	0	120	0	12	0	12	0	12	0	3	2	3	2	3	5	...	...	...	Farradpore.
...	...	...	...	...	...	17	0	17	0	18	0	120	0	120	0	120	0	13	0	13	0	13	0	2	11	2	11	2	11	...	...	...	Backergange.
...	...	...	...	...	...	16	0	16	0	15	0	...	...	...	...	12	4	12	8	12	4	3	4	3	3	3	4	...	...	...	...	Mymensinga.	

J In the sub-divisions the retail prices of salt per rupee were:—Gaibanda 14 seers, Kurigram 13 seers and Nilphamari 12 seers.

K The retail price of salt at Farajunga was 13 seers per rupee.

L The retail price of salt at Kurseong was 8 seers, and at Billigore 10 seers per rupee.

M The retail price of salt at Katakot in Alipur sub-division was 10 seers per rupee.

N In the sub-divisions the retail prices of salt per rupee were:—Muckgunge 12 seers, Moonshagunge 10 seers 10½ chittacks, and Naraingunge 13 seers.

O In the sub-divisions the retail prices of salt per rupee were:—Patakhali 10½ seers, Bhola 10 seers, and Perazapore 11 seers.

P In the sub-divisions the retail prices of salt per rupee were:—Kishoregunge 10 seers, Attea 12 seers, and Jamsaigore 11½ seers.

## PRICES-CURRENT of Food-grains, Firewood and Salt in the

Number.	DISTRICTS.	RETAIL SALE :—QUANTITIES PER RUPEE BY THE																	
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULURSH MILLET— LUMBOO, BAJRA.			GRASS MILLET— (HOLM) LOWAR.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.

Eastern Districts.—Concluded.

		S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.
22	Chittagong*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	Noakholly*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	Tipperah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	Chittagong Hill Tracts*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hill Tipperah	12	0	12	0	10	0	...	...	...	...	...	...	...	...	...	...	...	...

BEHAR.

26	Patna	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	Gya	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	Shahabad*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	Durbhunga*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	Muzaffarpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	Saran	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
32	Chumpran	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
33	Monghyr	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
34	Bhagalpore*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
35	Purneah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
36	Maldah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
37	Sonthal Perga.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

ORISSA.

38	Cuttack	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
39	Pooree*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
40	Balasore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

CHOTA NAGPORE  
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41	Hazareebagh*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
42	Lohardugga	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
43	Singbhoom	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
44	Manbhoom	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

\* Return not received.

(a) Price of rice in the interior ranged from 19 seers 11 chittacks to 30 seers 4 chittacks per rupee.

Q The retail price of salt in the interior ranged from 9 to 12½ seers per rupee.

S In the sub-divisions the retail prices of salt per rupee were :—Brahmanoriah 13½ seers and Chandpore 12½ seers.

T In the sub-divisions the retail prices of salt per rupee were :—Hajepore 12 seers, and Setaimari 11 seers.

U In the sub-divisions the retail prices of salt per rupee were :—Sowari 11½ seers, and Gopalgunge 12 seers.

V The retail price of salt in the interior ranged from 10 to 13 seers per rupee.

CALCUTTA,  
The 19th August 1884.

## Districts of Bengal for the Fortnight ending the 15th August 1884.—(Concl'd.)

SEER OF 80 TOLAHS.

WHOLESALE PRICES  
PER MAUND OF  
40 SEERS.

LESSER MILLT- RAGI OR MURWA AND CHEENA.			MAIZE OR INDIAN- CORN			GRAM.			FIRWOOD.			SALT.			SALT.			DISTRICTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	

Eastern Districts.—(Concluded.)

S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	Rs.	A.	Rs.	A.	Rs.	A.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Nonkholy.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Tipperah.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong Hill Tracts.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Hill Tipperah.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	BEAR.

...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Patna.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Gya.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Shahabad.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Darbhanga.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Muzaffarpore.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Saran.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chumpran.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Monghyr.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Bhagulpore.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Parneah.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Mahab.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Sonthal Pergas.

ORISSA.

...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Cuttack.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Pooree.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Balasore.

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...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Hazaribagh.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Lohardugga.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Singhbhum.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Munbhum.

- V In the sub-divisions the retail prices of salt per rupee were:—Begusarai 11 seers, and Jamui 12 seers.  
W In the sub-divisions the retail prices of salt per rupee were:—Kisanganje 10 seers, and at Bano-gunge in Arracah sub-division 11 seers.  
X The retail price of salt in Godda and Rajmehal sub-divisions was 11 seers per rupee.  
Y The retail price of salt at Daltongunge was 9 seers per rupee.  
Z In the sub-divisions the retail prices of salt per rupee were:—Govindpore 11 seers, Burra Bazar 10 seers, Ragunathpore 12 seers.

Published for general information.

COLMAN MACAULAY,  
Secretary to the Govt. of Bengal.



## WHOLESALE PRICES-CURRENT of Food-grains, Fire-wood, and Salt in

Number	MARTS.	PRICES PER MAUND														
		WHEAT			BARLEY			RICE, BEST SORT.			RICE, COMMON.			BULBUSH MILLET— C MBOO BAJRA.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	2 4 0	2 4 0	2 12 0	1 7 6	1 14 0	2 1 0	4 14 0	4 8 0	3 12 0	3 9 0	3 8 0	2 8 0	3 0 0	2 10 0	2 0 0
2	Serajgunge ...	2 4 0	2 10 0	1 12 0	...	...	...	3 12 0	3 12 0	3 8 0	2 7 0	2 8 0	2 0 0	...	...	...
3	Dacca ...	2 6 0	2 6 0	3 1 0	1 8 6	1 8 6	1 12 0	3 1 0	3 1 0	2 4 0	2 7 0	2 7 0	1 12 0	...	...	...
4	Naraingunge ...	...	...	...	...	...	...	2 8 0	2 6 0	2 0 0	2 6 0	2 5 0	1 14 0	...	...	...
5	Chittagong* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	Patna ...	1 14 6	1 14 6	2 0 0	1 13 0	1 13 0	1 8 0	3 0 0	3 0 0	2 11 0	2 13 4	2 13 9	2 8 0	...	...	...
7	Balasore ...	2 2 0	2 4 0	2 8 0	3 2 0	3 2 0	...	3 0 0	3 0 0	2 3 0	1 13 0	1 13 0	1 1 0	...	...	...
8	Pooree* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	Cuttack ...	2 0 0	2 0 0	2 14 0	...	...	...	3 0 0	3 0 0	3 0 0	2 0 0	2 0 0	1 10 0	...	...	...

\* Return not received.

CALCUTTA,  
The 19th August 1884.

*the undermentioned Marts of Bengal for the fortnight ending the 15th August 1884.*

OF 40 SEARS.

GREAT MILLET— CHOLU JOWAR			LESSER MILLET— RAGI OR MURWA AND GREENA.			MAIZE OR INDIAN- CORN.			GRAM.			FIREWOOD.			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
3 0 0	...	1 14 0	...	...	...	...	...	1 13 0	1 14 0	0 3 4 0	0 5 0 0	0 5 0 0	0 6 3	...	...	3 0 0	Calcutta.	
...	...	...	...	...	...	...	...	2 6 0	2 6 0	0 2 4 0	...	...	0 6 0	3 0 0	0 3 0 0	0 3 0 0	Seraingunge.	
...	...	...	...	...	...	...	...	2 2 0	2 2 0	0 2 6 0	0 8 0 0	0 8 0 0	0 6 0	3 1 6 3	1 6 3 4 0	...	Dacca.	
...	...	...	...	...	...	...	...	2 4 0	2 4 0	0 2 4 0	0 7 0 0	0 7 0 0	0 7 0	3 0 0	0 3 0 0	0 3 2 0	Naraingunge.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong.*	
...	...	...	...	...	...	1 12 0	1 12 0	1 4 3 1	1 14 6	1 12 0	1 10 0	0 6 0 0	5 0 0 5 0	3 2 0 3	2 0 3 1 6	...	Patna.	
...	...	...	...	...	...	...	...	2 10 0	2 10 0	0 2 8 0	0 5 0 0	5 0 0 4 0	3 7 0 3	7 0 4 2 0	...	...	Balasore.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Pooree.*	
...	...	...	2 5 0	1 14 0	2 0 0	...	...	1 11 0	1 10 0	0 3 0 0	0 8 0 0	8 0 0 8 0	2 13 0	0 2 12 0	0 2 12 0	...	Cuttack.	

Published for general information.

COLMAN MACAULAY,  
Secy. to the Govt. of Bengal.

The following Statement shows the Quantities of the Principal Staples of Traffic imported into Calcutta from the Interior during the month of May 1884.

## IMPORTS INTO CALCUTTA.

Whence imported.	FOOD-GRAINS.							FIBROUS PRODUCTS.		OIL-SEEDS.		Tea, Indian.	Cotton, raw.	Silk, raw.	SUGAR.			Total.
	RICE AND PADDY.			Wheat.	Gram and pulses.	Other food-grains.	Total.	Jute, raw.	Gunny-bags.	Linseed.	Mustard-seed.				Drained.	Un-drained.	Bis-path.	
	Rice.	Paddy.	Total (in rice).															
BENGAL.																		
Burdwan	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Burdwan	5,637	1,600	6,637		1,988	111	8,736		250	504	206	199	73	24	155	17		
Beerbhoom	47		47				47			44	271			484				
Midnapore	81,481	45,089	1,06,622		2,662		1,12,284		1,250	2,305			169	386	20	872		
Hookhly	35,009	3,029	38,038	7,328	4,996	1,006	50,233	16,069	262,967	9,876	3,471		1,054	90	666	11,533	349	
24-Perannahs	1,39,629	12,567	1,47,484	2,519	4,520		1,54,523	8,708	233,093	1,257	595		2,741		18,873	14,769		
Nudda	1,484		1,484	47,921	82,809	1,637	1,35,432	3,895	985	59,929	5,299		820	93	2,905	26,764		
Khulna	4,425	8,724	9,878	1,721			11,599			493					2,853	15,393		
Jessore	10,167	1,800	11,282	2,534	42,601		56,417	2,024	150	25,518	1,300			116	1,432	41,055		
Moorsheadabad				6,873	2,476	281	9,630			1,254	1,142			409				
Dinapore	11,722		11,722				11,722	1,186	27,480		441							
Rajshahye					2,730		2,730	761	150	6,808	8,124				16			
Rungpore				420			429	28,186	56,439		1,817		1,023					9,504
Sokra	5,389		5,389				5,389	2,180		440	7,053							
Patna				665	1,800		2,535	1,39,274	498,710	20,273	62,126							4,073
Darjeeling																		
Julpigore								18,113	132,810				1,606					197
Dacca	1,980		1,980	322	2,038		5,240	83,678		4,851	45,278		3,886					
Furzedpore	855		855	6,644	34,006		41,485	23,237		25,301	23,465		5,181					2,946
Backergunge	1,00,789	150	1,00,883				1,00,883	326		332								
Mymensing	162		162		412		574	17,715			1,200							
Tippurah	1,350		1,350				1,350											
Uttarong												146	677					
Noakholy	25,321		25,321				25,321			161								
Total of Bengal	4,85,417	72,900	5,30,979	75,226	1,85,740	3,035	7,95,000	3,45,268	1,119,277	1,49,380	1,51,688	10,122	13,732	2,422	26,926	1,10,503	16,369	
BEHAR.																		
Patna	10		10	5,619	32,261	6,944	44,834			1,25,856	37,505		213		1,078	24		
Gya										22,963	268							
Sahababad				98,988	7,791		1,06,779			24,534	2,980				1,308	9		
Muzafferpore	378		378				378			8,650								
Durbhanga				270			270			43,194	7,171					1,354		
Saran										900								
Chumpran										22,711	270					447		
Monghyr					50,060		50,060			16,311	9,357							
Bagulpore				2,834		7,407	10,101			20,959	33,516			10		902		
Purnea				155	326		481					46						
Maidah	216		216	1,257	842		2,315			310	478		5					
Sonthal Fergunahs				38,286	2,442	3	40,731			12,913	48,472			81	6			
Total of Behar	604		604	1,47,829	78,742	14,414	2,41,539			2,09,340	1,40,217	46	218	91	2,452	2,736		
ORISSA.																		
Balasore	15,927	62,044	54,705	1,962			56,667		800				3					
CHOTA NAGPORE.																		
Hazaribagh										268		70	17					
Grand Total of supplies from the Provinces under the Lieutenant-Governor of Bengal.																		
	5,01,948	1,34,944	5,86,288	2,25,047	2,64,482	17,469	10,93,256	3,45,268	1,120,077	4,48,997	2,91,905	10,278	13,970	2,513	29,378	1,13,239	16,369	
OTHER PROVINCES.																		
Assam	809		809				809	1,209	300	18,165	55,373	4,556	449	33				
North-Western Provinces and Oudh	3		3	5,71,164	7,580	1,083	5,79,830			1,39,377	1,71,356	17	15,888		9	66		
Punjab				14,423	1,606		16,029				10,519	984	3,155	37				
Central Provinces				1,947	276		1,622			39,076			1,025					
Bombay													17,984					
Madrass	407		407		12,168		12,575			422			839		916			
British Burmah	54,503		54,503				54,503						494					
Other places														163				
Grand Total (1884 of imports in May ... 1883)	6,57,665	1,34,944	6,42,095	8,11,951	2,86,116	18,552	17,58,624	3,48,477	1,120,377	6,46,937	5,29,153	15,535	53,794	2,748	39,397	1,13,395	16,369	
	8,80,975	1,11,943	9,50,039	21,16,647	2,64,923	24,554	33,55,963	7,38,227	2,287,270	5,15,723	5,86,648	17,359	72,926	2,293	62,290	1,25,569		

\* One maund of paddy is equivalent to 25 seers of rice.

† Exclusive of bags obtained by local manufacture.

The Sea-borne Trade of Calcutta in these Staples during the month of May 1884 was as follows.—

EXPORTED FROM CALCUTTA—																		
To Indian ports, viz.—																		
Bombay ...	1,04,987	69	1,05,030	.....	235	41	1,05,306	2,198	1,953,610	.....	.....	22	.....	.....	.....	393	.....	...
Other ports in Bombay ...	10,543	.....	10,543	.....	.....	.....	10,543	.....	184,595	.....	.....	.....	.....	.....	.....	.....	.....	...
Madrass ...	40	.....	40	201	6,698	806	7,754	164	220,259	.....	.....	.....	23	2	24	.....	.....	...
Other ports in Madras ...	32,591	.....	32,591	5	1,824	.....	34,420	1,205	231,607	.....	.....	43	1	.....	24	124	.....	...
British Burmah ...	3,417	.....	3,417	202	2,634	27	6,280	536	386,100	.....	.....	27	4	.....	.....	375	204	...
Other Indian ports ...	.....	.....	.....	.....	.....	.....	.....	.....	80,328	.....	.....	.....	.....	.....	.....	13	181	5
Pondicherry ...	.....	.....	.....	.....	.....	.....	.....	.....	82,000	.....	.....	.....	.....	.....	.....	.....	.....	...
Total of Inter-portal trade ...	1,51,587	69	1,51,630	509	12,345	874	1,65,568	4,183	3,133,400	.....	.....	70	27	23	39	1,097	209	...
To Foreign ports—																		
United Kingdom ...	41,843	3,741	44,168	4,55,678	17,845	12,737	5,30,423	90,850	452,200	4,48,513	3,23,352	8,633	14,624	329	4,955	3,403	...	...
Other Foreign ports ...	2,40,229	.....	2,40,229	78,733	54,156	.....	3,73,118	7,840	6,649,917	2,19,539	2,13,978	124	6,084	1,173	12	.....	.....	...
Total of Foreign trade ...	2,82,072	3,741	2,84,397	5,34,406	72,901	12,737	9,03,541	98,699	6,502,117	6,68,052	5,37,325	8,827	20,708	1,693	4,967	3,403	...	...
Grand Total (1884 of Exports in May ... 1883)	4,33,669	3,790	4,36,027	5,34,015	84,346	15,611	10,68,809	1,02,852	9,649,517	6,68,052	5,37,325	8,854	20,731	1,732	6,064	3,612	...	...
Grand Total (1884 of Exports in May ... 1883)	9,45,984	1,183	9,44,722	14,83,215	39,210	5,688	22,92,104	6,56,724	8,363,904	3,91,917	4,72,782	3,572	64,812	1,389	69,762	27,988	...	...

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic imported into Calcutta during the month of May 1884.

## IMPORTS INTO CALCUTTA.

SPECIFICATION OF ROUTES.	FOOD-GRAINS.					FIBROUS PRODUCTS.		OILSEEDS.		Tea, Indian.	Cotton, raw.	Silk, raw.	SUGAR.		TOBACCO.	
	Rice.	Paddy.	Wheat.	Gram and pulses.	Other food-grains.	Jute, raw.	Gunny-bags.	Linseed.	Mustard-seed.				Refined.	Un-refined.	Bis-path.	Other kinds.
By country boats	Mds. 3,80,248	Mds. 1,02,409	Mds. 51,959	Mds. 1,00,540	Mds. 3,119	Mds. 72,423	No. 470,192	Mds. 82,096	Mds. 30,137	Mds. 2,081	Mds. 2,081	Mds. 476	Mds. 8,944	Mds. 28,605	Mds. 1,204	Mds. 11,032
By river steamers	5,404	20,602	7,33,743	86,939	15,433	1,40,769	621,675	4,76,587	3,20,569	1,310	20,319	1,135	2,401	65,921	12,141	2,047
By rail { Eastern Bengal	10,359	6	4,405	4,232	8,408	27,030	1,189	1,189	1,189	1,825	17,982	14,941	19,807	432		
Cal. and South-Eastern	71,621	8,195	1,720	12,173	24,554	7,38,237	2,387,276	5,15,723	5,86,048	17,359	72,926	2,293	52,300	1,23,509		
By road	60,341	24,244														
Grand Total of Imports in May	5,57,665	1,34,944	8,11,951	2,86,116	18,532	3,45,477	1,120,377	6,46,937	5,20,153	15,833	53,794	2,748	30,307	1,13,305	16,309	54,239
1883	8,80,973	1,11,945	21,15,247	2,64,923	24,554	7,38,237	2,387,276	5,15,723	5,86,048	17,359	72,926	2,293	52,300	1,23,509		

The following Statement shows the Values, Quantities, and Numbers of the Principal Staples of Traffic exported Inland from Calcutta during the month of May 1884.

## EXPORTS FROM CALCUTTA.

Whither exported.	Cotton piece-goods.		Cotton twist.		Salt.	Gunny-bags.	Whither exported.	Cotton piece-goods.		Cotton twist.		Salt.	Gunny-bags.
	European.	Indian.	European.	Indian.				European.	Indian.	European.	Indian.		
BENGAL.	Rs.	Rs.	Mds.	Mds.	Mds.	No.	CHOTA NAGPORE.	Rs.	Rs.	Mds.	Mds.	Mds.	No.
Burdwan	1,01,100	220	649	1,635	31,609	22,810	Hazaribagh	24,264	.....	.....	93	8,095	1,130
Beerbhoom	1,13,616	880	147	245	13,063	6,650	Manbhum	42,532	.....	49	1,520	6,509	70
Midnapore	1,21,480	.....	807	.....	5,680	5,680	Total of Chota Nagpore	66,816	.....	49	1,619	15,204	1,190
Hooghly	1,91,827	11,062	787	29	2,863	88,759	Grand Total of supplies into the provinces under the Lieutenant-Governor of Bengal.	70,64,175	75,472	12,355	4,473	5,58,428	813,705
24-Pergunnahs	1,96,243	27,790	723	.....	7,611	18,870							
Chudra	3,99,155	.....	1,203	.....	21,007	30,008							
Shuina	21,200	.....	.....	.....	833	3,505							
Basore	1,38,824	.....	.....	.....	9,439	3,505	OTHER PROVINCES.						
Moorsheadabad	1,73,840	2,310	21	17	5,913	4,170	Assam	3,27,872	.....	377	.....	16,335	.....
Imanepore	1,69,600	.....	.....	.....	7,929	1,340	North-Western Provinces	29,01,024	8,030	2,534	502	27,362	674,310
Rajahmundry	3,89,232	320	245	.....	21,208	11,070	and Oudh	8,62,372	1,870	1,202	10	.....	308,945
Bungpore	1,72,320	.....	155	.....	26,427	3,390	Punjab	78,204	.....	463	.....	.....	44,765
Coorna	3,81,840	.....	223	.....	51,977	1,380	Rajputana States	25,704	.....	149	.....	.....	2,138,113
Barjeeling	86,320	4,240	.....	.....	1,610	210	Central Provinces	10,197	70	2,813	10	.....	451,857
Calcutta	1,48,880	17,660	1,853	14	7,173	7,290	Madras	51,253	.....	.....	.....	.....	83,000
Surat	2,71,440	.....	646	.....	16,067	8,430	Bombay	1,34,522	400	923	2,402	.....	386,700
Suratpore	77,248	.....	.....	.....	16,900	.....	Pondicherry	9,182	4,510	363	.....	.....	6,602,117
Backergunge	74,992	.....	.....	.....	9,425	60	British Burmah	.....	.....	.....	.....	.....	.....
Chittagong	100	.....	.....	.....	200	.....	Other places	.....	.....	.....	.....	.....	.....
Naakholy	.....	.....	.....	.....	.....	.....	Grand Total of Exports in May 1884	1,15,04,765	91,038	20,916	7,763	6,02,125	11,410,888
Total of Bengal	41,30,722	64,692	8,236	1,340	2,85,340	218,022	Exports in May 1883	1,38,00,401	1,17,079	20,680	12,327	5,13,361	11,092,464
BHAR.							The Sea-borne Trade of Calcutta in these Staples during the month of May 1884 was as follows:-						
Patna	6,78,240	5,390	129	161	94,477	232,620	IMPORTED INTO CALCUTTA-	Rs.*	Rs.	Mds.	Mds.	Mds.	No.
Gya	1,32,048	550	27	115	19,903	8,995	From Foreign Ports-						
Shahabad	4,78,050	1,100	70	100	19,053	85,470	United Kingdom	73,14,541	.....	10,361	.....	6,23,302	.....
Benarshpore	97,344	2,860	.....	.....	5,862	1,255	Other Foreign ports	27,691	.....	191	.....	1,53,440	.....
Banpuran	5,52,648	220	.....	.....	44,440	33,070	Total of Foreign Trade	73,42,232	.....	10,552	.....	7,78,742	.....
Banarshpore	3,75,192	330	5	198	14,417	1,015	From Indian Ports-						
Benarshpore	1,36,728	.....	111	.....	11,243	40,216	Bombay	13,505	62,423	.....	6,050	15,251	.....
Benarshpore	1,17,440	.....	83	186	1,275	2,030	Madras	13,402	590	.....	.....	.....	.....
Burnan	2,90,132	.....	.....	.....	1,650	.....	British Burmah	2,000	.....	.....	.....	.....	500
Malda	2,06,040	330	56	260	34,401	77,700	Other Indian ports	.....	.....	.....	.....	.....	.....
24-Pergunnahs	2,06,040	.....	.....	.....	.....	.....	Total of Interport Trade	28,907	62,925	.....	6,056	15,251	500
Total of Behar	28,24,812	10,780	434	1,390	2,57,878	513,705	Grand Total of 1884	73,71,139	62,925	10,324	6,056	7,93,990	1,189
ORISSA.							Imports in May 1883	91,33,504	85,360	14,920	9,123	6,55,300	.....
Cuttack	41,825	.....	.....	.....	8,478	71,800							
Calasore	.....	.....	.....	.....	.....	.....							
Total of Orissa	41,825	.....	.....	.....	8,478	71,800							

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic exported from Calcutta during the month of May 1884.

SPECIFICATION OF ROUTES.	COTTON PIECE-GOODS.		COTTON TWIST.		Salt.	Gunny-bags.
	European.	Indian.	European.	Indian.		
By country boats	Rs. 2,25,612	Rs. 21,178	Mds. 1,447	Mds. 1,447	Mds. 92,225	No. 1,07,892
By river steamers	5,80,320	1,100	1,595	4,843	12,783	1,586,060
By rail { Eastern Bengal	71,40,528	24,060	5,055	14	3,30,997	65,329
Calcutta and South-Eastern	29,06,920	21,300	4,271		1,51,429	6,600
By road	19,440	17,644		10	310	10,000
Grand Total of Exports in May	3,21,767	5,694	6,533	2,901	6,203	9,941,117
1884	1,15,04,765	91,038	20,916	7,763	6,02,125	11,410,888
1883	1,38,00,401	1,17,079	20,680	12,327	5,13,361	11,092,464

\* As per tariff declaration value.

COLMAN MACAULAY,  
Secy. to the Govt. of Bengal.

STATISTICAL DEPARTMENT,  
The 12th August 1884.



## Meteorological Report of the Province of Bengal

METEOROLOGICAL DIVISION.	DISTRICT.	Representative station.	STATION OBSERVATIONS.														
			AIR PRESSURE.			WIND.		TEMPERATURE.							Average humidity at 10 A. M.	Average cloud amount at 10 A. M. for week.	
			Mean barometric height, 10 A. M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Lowest during week.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 10 A. M. temperature.			
ORIGINAL.	Poorree	Gopalpore	29.014	29.004	—	S	274	86.0	79.8	86.9	81.8	84.0	—	85.5	79	4.9	
		False Point	29.030	29.052	—0.021	WSW	206	90.0	75.1	88.6	77.7	83.2	+0.6	84.9	76	8.0	
	Cuttack	Cuttack	29.071	29.052	—0.019	NNW	48	93.9	70.3	91.3	78.6	85.0	+1.4	85.1	74	7.1	
	Balasore	Balasore	29.074	29.032	—	SW	138	90.4	76.2	87.0	78.8	83.2	—	85.5	86	7.6	
SOUTH-WEST BENGAL.	South-West Midnapore	Saugor Island	29.004	29.030	—0.041	SW	271	90.2	78.0	87.7	79.8	83.7	+0.7	83.0	85	8.6	
	South 24-Pergunnahs	Midnapore	29.075	29.025	—	S	82.0	91.3	77.3	80.4	78.4	83.9	—	85.9	75	5.9	
	24-Pergunnahs	Calcutta	29.003	29.024	—0.030	W	82	89.5	76.7	87.8	78.6	83.2	+0.8	83.1	85	8.6	
	Howrah		29.022	29.021	—0.031	SSW	58	91.6	77.4	89.5	78.8	84.2	+0.2	84.4	80	8.6	
	Hooghly																
	Burdwan	Burdwan															
	Bankoora																
	Beerbhoom	Ranigunge	29.287	—	—	SE & SW	94	91.5	70.9	89.6	76.5	83.0	—	82.5	86	7.6	
	West Burdwan																
	Moorsheadabad	Berhampore	29.052	29.018	—0.042	ESE	85.1	91.1	77.3	89.3	78.2	83.7	—0.5	84.7	83	8.6	
	Nudda					Observatory not started.											
	Jessore		29.006	29.029	—0.035	SSW	86	91.2	76.4	88.6	78.1	83.4	0	85.5	82	8.0	
EAST BENGAL.	Khoolna	Jessore															
	Chittagong	Chittagong	29.012	29.002	—0.024	SE	134	87.1	74.0	85.2	75.1	80.2	—0.9	81.3	87	7.1	
	Chittagong Hill Tracts	Demagiri				Observations not received.											
	Backergunge	Barrisal	29.000	—	—	SE	64.6	86.1	70.9	83.8	76.2	80.0	—	82.1	87	8.7	
	Noakholly	Noakholly	29.050	29.000	—	SSE	302.0	86.0	73.3	85.1	76.0	80.6	—	81.8	87	8.9	
	Furzedpore	Furzedpore	29.007	—	—	SSE	121.4	89.5	76.9	86.6	77.9	82.3	—	85.2	83	8.6	
	Dacca	Dacca	29.022	29.044	—0.022	SSE	130	88.3	77.2	87.0	78.5	82.8	+0.3	84.8	85	8.7	
	Commillah	Commillah	29.021	29.057	—	SE	100.2	89.4	75.8	87.0	76.6	81.8	—	83.8	87	7.9	
	Mymensingh	Mymensingh	29.003	—	—	SE	126.0	88.3	76.1	87.6	76.7	82.2	—	82.1	82	9.7	
	Bogra and Pubna	Serajgunge	29.087	29.033	—	SE	103.8	89.6	76.7	86.9	77.8	82.3	—	83.6	83	8.0	
	Rajshahye	Rampore Beaulah	29.034	29.007	—	Variable	138.2	87.1	75.6	85.7	76.8	81.3	—	84.1	79	8.0	
	Dinapore	Dinapore	29.022	29.042	—	NE	113.1	90.6	74.6	88.2	77.4	82.8	—	83.2	83	6.0	
NORTH BENGAL.	Rungpore	Rungpore	29.015	29.030	—	E	95	91.3	75.1	88.7	76.8	82.8	—	84.0	84	6.1	
	Julpigoree	Julpigoree	29.058	29.048	—	E	123.2	90.0	73.1	87.7	75.4	81.6	—	82.5	84	6.1	
	Cooch Behar																
	Darjeeling Hill Districts	Darjeeling	22.897	—	—	E	41	67.6	53.6	66.1	54.8	60.5	—	63.1	94	7.9	
	Purneah	Purneah	29.000	29.026	—0.014	Calm	24	92.2	75.3	90.6	76.1	83.3	—0.8	82.8	80	9.9	
	North Bhagulpore																
	Mozufferpore	Mozufferpore	29.042	—	—	E & ESE	—	97.0	76.7	91.3	77.8	84.6	—	84.8	86	8.1	
	Durbhunga	Durbhunga	29.045	29.021	+0.005	ESE	109	92.4	78.5	89.8	79.4	84.6	+1.3	84.0	84	7.1	
	Chumprapun	Motihari	29.001	29.027	—	SE	180.2	96.1	76.9	91.1	77.5	84.3	—	84.5	70	6.7	
	Sarun	Chupra	29.018	—	—	SE	47.5	95.0	77.0	89.5	78.2	83.9	—	82.7	88	6.9	
	Dehree	Dehree	29.031	29.058	—	SW	160.4	89.4	76.0	84.8	77.4	81.1	—	80.7	86	7.3	
	Shahabad	Buxar	29.058	29.050	—	ENE	out of order.	88.9	76.3	85.5	77.5	81.6	—	82.6	87	8.3	
SOUTH BENGAL.	Arrah	Arrah	29.012	29.002	—	ESE	68.3	93.4	76.6	89.1	78.2	83.6	—	82.7	85	8.3	
	Gya	Gya	29.100	29.075	?	E & W	?	96.7	75.3	91.2	76.5	83.9	—0.3	85.1	77	10.0	
	Patna	Bankipore	29.033	29.016	—0.020	E	82.0	95.5	76.7	80.0	78.8	83.9	—0.7	82.4	86	8.9	
	South Bhagulpore	Bhagulpore	29.025	29.087	—	Variable	68.2	92.9	77.5	88.9	78.3	83.6	—	85.1	77	5.0	
	Monghyr																
	Sonthal Pergunnahs	Doomka	29.103	—	—	SE	319	90.1	75.8	88.2	77.0	82.6	—	84.6	88	4.7	
	Hazaribagh	Hazaribagh	27.612	29.002	—0.014	W	154	85.4	72.2	83.0	72.8	77.9	—0.7	79.4	81	9.7	
	Lohardugga	Ranchee	27.600	29.008	—	—	—	85.7	71.1	83.2	72.1	77.7	—	78.3	83	8.6	
	Manbhoom																
	Singbhoom	Chyebassa	28.843	—	—	W	28.7	89.3	74.7	88.5	76.8	82.6	—	83.4	78	8.1	

*Explanation.—Summary.*—The normal means of air pressure and temperature are the arithmetical averages or means of the readings during the same time. The humidity of the atmosphere is expressed as a percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 100. The normal means of the numerical means or averages of the rainfall in that district determined from the returns sent in by the sub-divisions from the district (i.e.) the total rainfall at the sub-divisional stations in the district sending in returns, divided by the number of stations. A rainy

for the week ending Friday, the 15th August 1884.

Rainfall of week at observing stations.	DISTRICT OBSERVATIONS.										Representative station.	DISTRICT.	METEOROLOGICAL DIVISION.
	RAINFALL.												
	Of week.		Since 1st of month.			Since 15th May.			Average number of rainy days.	Normal number of rainy days.			
	Mean for district.	Normal mean.	Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.					
0.56	—	—	—	—	—	—	—	—	—	—	Gopalpore ...	Poorbe ...	ORISSA.
5.7	2.65	3.17	4.21	3.79	-2.58	23.29	30.92	-7.63	4.0	4.5	False Point ...	Cuttack ...	
3.40	1.62	2.99	5.20	6.72	-1.52	32.95	30.76	+2.19	4.0	4.4	Balasore ...	Balasore ...	
1.52	2.41	3.58	5.06	7.45	-2.39	37.90	35.09	+2.81	5.0	4.7	Saugor Island ...	South-West Midnapore ...	SOUTH-WEST BENGAL.
2.70	2.96	2.83	4.52	7.01	-2.49	27.97	30.86	-2.89	4.3	3.8	Midnapore ...	Midnapore ...	
3.65	3.67	3.25	6.82	6.80	-0.08	28.23	32.12	-3.89	5.3	5.2	Calcutta ...	Howrah ...	
3.34	3.19	3.73	4.30	6.52	-2.22	22.15	28.32	-6.17	4.7	4.7	Burdwan ...	Hooghly ...	SOUTH-WEST BENGAL.
6.38	3.57	3.21	5.46	6.73	-1.27	21.06	32.10	-11.04	5.1	5.0	Ranigunge ...	Burdwan ...	
1.92	3.93	2.45	4.54	6.07	-1.53	22.42	28.91	-6.49	6.0	4.4	Berhampore ...	Bankura ...	
2.76	3.53	3.58	6.17	6.17	-2.59	22.56	30.14	-7.58	4.3	4.5	.....	Beerbhoom ...	SOUTH-WEST BENGAL.
2.96	2.98	3.19	4.42	6.65	-2.23	31.98	34.13	-2.15	5.4	4.9	Jessore ...	West Burdwan ...	
4.15	5.98	6.98	11.38	13.54	-2.16	70.61	81.03	-10.42	7.0	6.0	Chittagong ...	Moorshedabad ...	
1.92	3.22	4.47	5.57	9.44	-3.87	47.33	52.10	-4.77	5.5	6.0	Barrisal ...	Nudda ...	EAST BENGAL.
5.77	4.87	6.76	9.37	13.61	-4.24	57.16	71.87	-14.71	6.0	6.4	Noakholly ...	Jessore ...	
3.84	3.30	2.67	4.68	6.16	-1.48	23.29	35.66	-7.37	4.7	4.8	Furzedpore ...	Khalna ...	
2.15	4.70	3.05	6.28	7.63	-1.35	32.75	39.07	-6.32	6.3	5.3	Dacca ...	Chittagong ...	EAST BENGAL.
1.76	2.73	4.27	4.22	9.14	-4.92	40.83	45.44	-4.61	4.3	5.5	Commillah ...	Backergunge ...	
5.72	2.73	2.92	3.49	5.82	-2.03	20.41	33.07	-7.26	5.2	4.4	Serajunge ...	Noakholly ...	
2.28	3.21	2.62	3.55	5.53	-1.98	23.29	30.72	-7.13	5.7	4.6	Rampore Beaulah ...	Furzedpore ...	NORTH BENGAL.
4.99	3.44	3.01	4.48	5.77	-1.29	23.85	35.09	-6.23	5.5	4.7	Dinapore ...	Dacca ...	
2.45	3.12	3.11	4.17	5.72	-1.55	35.50	48.43	-12.93	4.3	4.1	Rungpore ...	Commillah ...	
7.67	5.07	5.67	7.45	11.23	-3.78	62.69	71.84	-9.15	6.2	5.3	Julpigoree ...	Mymensingh ...	NORTH BENGAL.
10.00	6.19	8.71	13.15	16.64	-2.49	80.16	101.23	-21.07	6.5	5.8	Darjeeling ...	Bogra and Pubna ...	
5.94	4.40	2.89	4.97	6.36	-1.39	29.73	34.48	-4.75	5.2	4.5	Purneah ...	Rajshahye ...	
2.2	2.74	2.78	3.00	5.35	-2.35	19.09	25.66	-6.66	4.8	3.8	Durbhunga ...	Dinapore ...	NORTH BENGAL.
0.63	3.73	3.13	4.41	5.52	-1.11	25.47	26.66	-1.19	5.3	3.7	Motihari ...	Dinapore ...	
1.84	4.69	2.49	5.18	4.98	+0.20	18.23	24.35	-6.12	6.0	3.7	Chupra ...	Rungpore ...	
6.66	5.96	2.58	7.36	5.77	+1.59	17.82	23.65	-5.83	4.8	3.6	Dohree ...	Julpigoree ...	NORTH BENGAL.
7.42	5.96	2.58	7.36	5.77	+1.59	17.82	23.65	-5.83	4.8	3.6	Buxar ...	Cooch Behar ...	
4.25	5.91	2.70	6.86	5.74	+1.12	17.42	25.26	-7.84	5.0	3.4	Gya ...	Darjeeling Hill Districts ...	
3.38	4.40	2.66	5.77	5.19	+0.58	18.53	25.10	-6.57	5.5	3.4	Bankipore ...	Purneah ...	SOUTH BENGAL.
2.72	4.53	2.76	5.26	5.98	-0.72	20.75	26.21	-5.46	5.2	3.9	Bhagulpore ...	North Bhagulpore ...	
3.39	2.36	2.01	3.37	5.76	-2.39	19.38	29.66	-9.98	5.5	4.0	Doomka ...	Mozufferpore ...	
0.66	4.32	2.83	7.06	6.62	+0.44	19.32	29.35	-9.33	5.5	4.6	Hazaribagh ...	Durbhunga ...	SOUTH BENGAL.
1.37	4.83	3.04	6.42	7.29	-0.87	23.50	29.75	-7.23	6.0	4.6	Ranchee ...	Chumprun ...	
3.69	2.53	3.44	5.40	7.70	-1.21	30.05	32.91	-2.86	4.0	5.3	Chyebassa ...	Singbhoom ...	
2.47	—	—	—	—	—	—	—	—	—	—	—	—	SOUTH BENGAL.
2.53	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	—	—	—	

period for the past one year. The variations are negative when the mean for the week is less than the corresponding normal mean, and positive when greater. by 10. The number denoting cloud amount represent the part of the sky covered, the whole sky being denoted by 10. Under the head "district observations" stations for the period in question during the past 12 years. The "means for the district" are the numerical average of the rainfall records received day is one on which at least an hundredth of an inch fell.

## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 15th August 1884.

Meteorological division.	District.	Station.	RAINFALL.							Total.		Total rainfall from 1st to 15th August 1884.	Average total rainfall from 1st to 15th August.	Total rainfall since 15th May 1884.	Average rainfall from 15th May to date.
			Saturday, 9th August.	Sunday, 10th August.	Monday, 11th August.	Tuesday, 12th August.	Wednesday, 13th August.	Thursday, 14th August.	Friday, 15th August.	Number of rainy days.	Rainfall week.				
ORISSA	Pooree	Pooree	0.58	0.02	.....	.....	0.55	.....	0.65	4	1.80	2.27	6.19	21.88	26.74
		Khurda	0.28	0.08	.....	.....	0.18	0.50	0.24	5	3.26	5.91	6.89	27.44	32.92
		Banpur	.....	.....	.....	.....	1.54	.....	0.20	.....	1.74	2.56	7.40	17.05	29.73
		False Point	1.86	0.76	0.08	.....	0.11	.....	0.09	5	3.80	6.11	7.53	26.57	34.27
		Hookitola	.....	0.24	.....	.....	0.15	.....	.....	.....	.....	.....	.....	.....	.....
	Cuttack	Jagatsingapore	0.79	.....	.....	.....	8	.....	0.25	7	4.83	6.09	6.26	33.82	39.90
		Banki	0.03	1.16	0.02	0.02	1.80	1.09	0.11	4	5.18	8.11	6.68	24.36	29.50
		Kendrapara	0.38	1.10	.....	.....	2.30	.....	1.40	3	2.29	4.52	6.07	23.12	32.63
		Jajpore	0.53	1.42	.....	.....	.....	.....	0.34	.....	.....	.....	.....	.....	.....
		Chandbali	0.64	0.03	.....	.....	.....	0.19	.....	5	0.28	7.19	6.88	36.33	29.69
	Balasore	Bhuddruck	0.02	.....	.....	.....	.....	.....	0.15	4	0.77	2.57	6.45	26.51	30.81
		Sorah	0.15	0.09	.....	.....	0.77	0.56	0.42	6	3.02	1.60	7.06	23.37	29.29
		Balasore	1.72	0.09	.....	.....	0.77	0.56	0.42	6	3.02	9.43	7.10	47.35	31.56
		Jellapore	0.50	.....	.....	.....	0.50	0.10	0.12	4	1.22	6.09	6.72	32.50	32.13
		Baripodah	.....	0.24	.....	.....	0.60	0.30	1.18	5	2.57	4.16	6.11	31.67	31.11
SOUTH-WEST BENGAL.	Midnapore	Contal	1.42	.....	.....	.....	1.14	0.05	0.21	4	2.82	5.60	7.09	35.39	34.56
		Saugor Island	0.34	0.10	0.23	.....	0.10	0.19	0.19	6	1.57	2.75	8.50	49.41	36.90
		Tumlook	0.70	.....	.....	.....	.....	.....	1.00	2	1.70	3.59	6.83	29.05	30.05
		Midnapore	1.99	0.15	.....	0.40	.....	0.15	0.16	5	2.35	4.73	6.76	31.69	29.53
		Ghattal	0.85	0.47	.....	0.37	0.20	2.8	0.37	.....	.....	.....	7.42	.....	33.60
	24-Pergunnahs	Diamond Harbour	1.55	0.89	0.02	.....	0.02	.....	0.37	5	2.85	6.83	6.77	37.91	33.83
		Alipore Jail	0.51	0.80	1.52	.....	0.14	.....	0.70	5	3.47	5.14	7.05	30.84	33.41
		Barackpore	.....	0.81	1.43	.....	0.98	0.48	1.95	5	5.62	7.22	6.45	29.33	31.91
		Dum-Dum	0.28	0.02	0.09	.....	0.16	0.38	0.58	6	2.02	3.90	6.73	29.10	31.98
		Barasat	.....	.....	0.56	.....	1.11	0.19	0.42	4	2.28	3.17	6.25	25.00	30.15
	Howrah	Buseerhat	1.24	0.48	1.76	.....	0.54	1.16	0.93	6	6.16	8.36	6.72	32.28	34.19
		Howrah	0.09	0.46	1.19	.....	0.12	0.06	1.04	6	2.96	4.66	6.21	24.57	31.05
		Mohesra	1.25	0.11	0.13	.....	0.09	0.93	0.42	6	2.08	5.42	7.47	26.80	33.33
		(Osoderiah.)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Hooghly	.....	0.36	2.53	.....	1.10	0.35	1.42	5	5.76	7.02	6.37	33.92	31.45
	Burdwan	Hooghly	0.16	.....	1.04	0.07	0.77	1.40	0.42	6	4.44	7.25	6.39	26.44	30.11
		Jehanabad	0.15	0.80	.....	.....	.....	0.65	0.25	4	1.85	6.07	8.35	21.50	33.32
		Culna	1.48	.....	0.39	.....	.....	2.40	0.83	4	5.16	5.99	6.47	24.41	27.77
		Burdwan	0.70	1.92	.....	.....	0.45	0.67	0.29	5	3.54	5.11	6.87	17.41	29.36
		Cutwa	0.09	0.19	.....	.....	0.42	0.21	0.15	5	1.06	1.80	6.22	24.61	27.91
EAST BENGAL.	Bankoora	Raneegunge	0.27	0.36	.....	0.86	2.32	1.02	1.54	6	6.37	7.13	6.39	25.73	29.41
		Bankoora	0.77	.....	.....	0.55	0.15	0.30	1.00	5	2.77	5.42	7.35	28.23	31.41
		Bishenpore	0.65	0.56	0.08	.....	0.11	0.37	1.05	6	4.02	6.02	7.41	22.56	33.31
		Maliara	1.02	1.25	.....	0.34	1.55	0.35	0.11	6	4.62	5.61	6.83	19.96	31.36
		Khatra	0.45	.....	.....	.....	0.49	0.11	0.91	4	1.96	3.53	6.74	24.78	35.82
	Beerbhoom	Bh. Soory	0.41	.....	0.31	.....	0.40	2.34	0.29	4	3.78	5.36	6.88	22.57	32.78
		Hetampore	0.88	1.33	0.71	.....	.....	.....	0.05	5	5.57	6.59	6.52	30.60	30.60
		Nuddea	.....	.....	1.79	0.35	1.93	0.23	0.28	5	4.49	5.20	6.65	22.41	31.67
		Songong	.....	.....	1.03	0.56	.....	0.19	0.33	3	2.57	3.68	7.44	23.70	30.64
		Kishnagur	.....	.....	0.15	0.73	.....	0.86	0.33	3	1.74	2.07	5.99	18.59	28.34
	Khoolna	Choodanga	.....	.....	0.87	0.07	0.37	0.37	0.09	5	2.37	3.50	6.24	22.86	30.43
		Meherpore	0.11	.....	0.21	.....	.....	1.81	0.30	4	2.43	3.29	5.43	19.99	28.54
		Kooshtea	0.23	0.12	.....	1.33	0.38	0.82	0.06	6	2.94	3.70	5.25	24.79	31.94
		Satkira	0.25	0.46	0.68	0.19	0.23	1.06	0.59	7	3.35	4.59	6.22	34.38	34.17
		Bagirhat	.....	.....	0.38	.....	.....	1.83	.....	3	3.63	6.55	7.59	42.44	49.06
	Jessore	Khoolna	0.06	.....	0.10	0.50	.....	0.80	0.20	5	1.66	4.25	7.16	30.15	34.94
		Narail	0.30	.....	0.55	.....	0.25	1.20	0.05	5	2.55	3.41	7.20	29.43	31.88
		Jessore	.....	0.04	0.37	0.11	0.39	1.78	0.02	6	2.71	4.51	6.60	33.50	34.43
		Jhenidah	.....	0.40	0.64	1.63	1.50	0.97	0.13	6	5.57	6.23	6.65	29.65	32.20
		Magoorah	0.09	.....	0.07	0.05	0.37	0.38	0.06	6	1.62	2.35	5.81	24.32	31.54
EAST BENGAL.	Moorsheadabad	Kandi	0.42	0.40	0.03	1.30	1.07	0.70	0.28	7	4.20	4.40	5.06	21.33	30.09
		Kampore Haul	0.48	0.64	0.76	.....	1.62	0.16	0.69	6	3.75	4.92	6.90	19.88	30.04
		Berhampore	.....	0.72	0.11	0.68	0.05	0.35	0.37	6	2.28	2.55	6.76	18.31	30.24
		Lalbagh	.....	.....	1.60	1.33	.....	0.50	0.39	4	3.79	4.03	5.23	22.66	31.44
		Azimnagar	.....	0.17	1.33	0.47	1.56	1.09	0.24	6	6.76	6.24	6.11	27.38	28.07
	Chittagong	Jungipore	0.57	.....	0.53	0.13	0.62	1.04	0.75	6	3.66	4.68	5.29	19.88	27.67
		Lalgaia	0.38	0.05	0.22	0.23	1.40	1.22	0.60	7	4.19	5.07	6.18	27.54	28.72
		Cox's Bazar	0.07	0.03	0.99	1.86	2.04	0.41	0.18	7	5.58	12.83	15.67	84.48	98.40
		Chittagong	0.23	2.31	0.42	0.14	1.03	0.51	0.54	7	5.18	9.93	11.40	56.74	63.56
		Chittagong Hill Tracts	Ranamat	0.48	0.75	0.51	0.05	0.41	0.56	7	3.56	5.82	10.45	40.58	53.76
	Backergunge	Raicha	0.09	0.52	0.49	0.10	0.56	0.73	1.25	7	3.67	7.82	7.82	57.05	67.05
		Agartola	0.12	.....	.....	.....	.....	.....	.....	1	0.12	0.98	6.02	35.73	37.53
		Patuakhali	.....	0.30	0.40	.....	1.30	1.50	0.70	5	4.20	6.30	10.34	49.50	61.25
		Peronopore	.....	.....	0.25	0.30	2.56	1.37	0.49	5	4.97	7.59	8.82	45.74	44.71
		Burrisal	0.02	.....	.....	0.03	0.03	0.55	0.09	5	0.72	2.16	7.89	40.21	44.71
EAST BENGAL.	Noakhali	Bhola	0.06	0.17	0.23	0.45	0.50	0.37	1.29	7	2.98	6.21	10.71	53.86	57.70
		Noakhali	0.07	0.22	0.53	0.45	2.67	1.33	0.38	7	5.67	11.05	13.97	52.32	71.56
		Fenny	0.08	.....	0.05	.....	0.86	1.56	0.82	5	4.07	7.67	13.23	61.99	71.88
		Furriedpore	.....	.....	.....	0.22	1.15	1.41	0.64	4	5.42	4.69	6.97	24.67	37.34
		Madaripore	.....	.....	1.08	.....	1.45	0.84	0.43	5	4.08	6.70	5.99	32.53	36.79
	Dacca	Goulundo	.....	0.08	.....	0.70	0.87	0.57	0.18	5	2.40	3.65	5.51	27.38	33.82
		Munshigunge	0.73	.....	0.20	0.74	0.71	4.20	0.18	6	6.76	8.28	9.35	35.05	40.69
		Dacca	0.28	0.20	0.12	0.44	0.31	0.47	0.71	7	2.53	4.32	7.39	30.22	38.99
		Narainigunge	0.08	0.61	0.07	0.17	0.26	1.58	0.22	7	2.79	4.48	5.81	24.66	31.54
		Manickgunge	0.05	.....	0.10	2.25	0.90	1.46	0.05	6	6.14	6.14	6.17	52.98	51.54
	Comilla	Comilla	0.44	0.65	0.03	0.12	0.94	0.05	0.66	7	1.09	4.17	10.24	47.12	51.37
		Chandpore	0.50	.....	0.85	1.20	1.95	0.75	0.10	6	5.35	7.70	13.86	35.75	55.35
		Brahmunberia	.....	1.17	.....	0.20	2.28	.....	.....	3	3.75	4.00	5.84	44.71	57.50



Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 15th August 1884—concluded.

Meteorological Division.	District.	Station.	RAINFALL.							TOTAL.		Total rainfall from 1st to 15th August 1884.	Average total rainfall from 1st to 15th August.	Total rainfall since 1st May 1884.	Average rainfall from 1st May to date.
			Saturday, 9th August.	Sunday, 10th August.	Monday, 11th August.	Tuesday, 12th August.	Wednesday, 13th August.	Thursday, 14th August.	Friday, 15th August.	Number of rainy days.	Rainfall of week.				
BENGAL	Pubna	Pubna	0.04	.....	0.05	0.64	1.43	0.92	0.06	6	3.17	4.14	4.95	26.04	30.23
		Serajunge	0.03	.....	0.77	1.68	0.91	0.17	0.29	6	3.85	4.35	5.04	26.19	31.80
	Bogra	Sherpore	.....	1.10	.....	.....	.....	.....	0.51	12	1.61	2.38	7.09	27.75	38.67
		Nowshilla	0.04	0.19	0.17	0.12	0.03	0.33	0.10	7	1.42	2.43	5.45	29.72	32.80
		Bogra	0.02	0.19	0.17	0.06	0.32	.....	0.08	6	1.04	1.68	5.21	31.47	37.93
		Panchbibi	.....	0.22	0.39	0.36	0.13	0.80	0.17	6	2.07	3.09	4.56	28.47	33.63
	Rajshahye	Beaulah	0.13	0.90	0.91	1.66	0.92	1.31	0.07	7	4.10	4.59	6.09	22.63	30.46
		Natore	.....	.....	.....	0.40	0.69	0.39	0.70	4	2.09	2.49	5.88	24.81	32.21
		Nowgong	.....	0.80	0.30	0.20	0.33	0.66	0.39	6	2.59	3.32	.....	34.42	.....
	Maldah	Maldah	0.26	0.41	0.46	.....	0.39	1.80	0.10	6	3.53	3.76	4.62	23.33	29.47
	Dinapore	Mohadebore	.....	0.16	.....	0.35	1.58	0.50	0.05	5	2.64	3.47	7.77	22.80	37.17
		Chitramon	.....	1.25	1.10	0.25	0.55	1.00	.....	5	4.15	5.99	4.21	34.06	28.01
		Raigunge	.....	0.40	0.97	1.98	1.46	0.65	0.87	6	4.83	5.51	5.05	32.23	34.69
		Dinapore	.....	0.15	1.25	0.06	0.12	0.48	0.99	6	2.13	2.94	6.02	25.08	40.54
		Baloorhat	0.05	0.17	0.99	0.54	0.08	0.16	0.22	7	1.31	2.70	.....	29.84	.....
	Ruopore	Bhawanigunge (Gyabanda)	.....	.....	.....	0.39	.....	2.33	0.21	3	2.93	4.08	5.19	34.91	39.57
		Ruopore	.....	0.06	4.17	0.04	0.67	0.70	0.01	6	5.55	7.12	5.23	40.86	47.91
		Kurigram	.....	0.31	0.36	.....	.....	0.83	.....	3	1.50	2.71	3.64	32.91	48.47
		Bagdogra (Adiphamari)	.....	0.05	1.38	.....	0.09	0.32	0.04	5	2.43	2.73	8.93	33.29	58.77
	Julpigoree	Julpigoree	.....	3.24	5.94	2.65	2.58	0.27	.....	5	12.68	18.29	11.37	68.71	72.06
	Cooch Behar	Dinhatta	.....	0.01	3.72	0.03	.....	0.06	.....	4	3.82	6.44	8.16	54.88	69.64
		Cooch Behar	.....	0.22	1.55	0.01	.....	0.07	0.25	6	2.46	4.28	11.11	81.45	78.41
		Mickligunge	.....	0.81	2.45	0.35	0.36	0.16	.....	5	4.13	5.13	12.23	63.37	69.29
		Matlabhanga	.....	0.29	1.46	0.05	0.19	0.25	0.02	6	2.24	3.10	13.30	55.00	78.23
BENGAL	Darjeeling Hill.	Buxa	0.30	.....	3.78	0.93	1.83	1.13	0.13	6	8.19	14.02	21.17	94.77	132.67
		Siliguri	.....	1.34	2.04	0.11	0.31	0.92	0.45	6	3.27	6.42	.....	58.42	.....
		Darjeeling	0.64	0.52	0.60	1.42	0.51	0.17	.....	7	4.27	12.37	12.10	63.33	70.38
		Kaimgong	.....	0.54	0.62	.....	.....	0.32	0.48	4	1.76	7.11	.....	45.97	.....
	Purneah	Kissengunge	.....	1.83	1.66	0.70	0.23	1.41	0.11	6	5.94	7.30	7.14	46.21	42.19
		Arranah	.....	1.04	2.51	0.11	.....	1.11	0.08	5	4.85	5.96	6.14	34.24	57.95
		Purneah	.....	0.09	0.05	1.32	0.32	1.94	0.49	6	4.21	4.59	6.36	30.93	34.35
	North Bhagulpore.	Maddapore	.....	0.50	.....	1.35	1.34	2.95	0.10	5	6.04	6.15	6.21	21.97	29.08
		Soopool	.....	0.06	.....	0.04	.....	0.70	0.16	4	0.96	1.23	5.94	16.21	25.79
	Durbhunga	Tajpore	.....	.....	0.45	1.15	1.52	0.59	0.66	5	3.98	4.11	5.79	19.46	26.04
		Durbhunga	.....	.....	0.35	.....	0.13	0.12	0.19	4	0.79	1.04	5.55	12.96	26.52
		Madhubani	.....	0.71	.....	.....	0.52	0.75	0.04	4	2.02	2.80	4.50	17.93	26.05
	Mozufferpore	Sitamari	0.60	1.50	0.05	.....	2.71	.....	0.29	5	5.06	5.90	4.98	22.35	21.76
		Mozufferpore	.....	0.12	0.43	0.33	1.06	0.13	0.32	6	2.39	2.43	5.14	17.32	26.91
		Hajipore	.....	.....	0.92	0.37	0.39	0.52	0.14	5	2.25	2.33	6.17	23.47	25.31
	Chumpanur	Motihari	.....	.....	0.67	0.08	0.57	0.27	0.21	5	1.89	1.80	6.56	22.11	23.23
		Bettiah	.....	1.55	1.54	.....	0.49	0.65	0.22	5	4.36	6.36	5.05	27.34	28.63
	Sarun	Gopalgunge	2.43	1.60	.....	0.60	0.29	0.09	0.33	6	5.35	5.39	4.95	27.32	26.14
		Sewan	0.52	1.91	.....	0.30	0.70	0.12	0.16	6	3.71	3.73	4.91	14.16	25.31
		Chuprah	0.11	.....	1.28	2.85	1.03	0.15	0.18	6	5.69	6.62	5.04	22.29	23.38
BENGAL	Shahabad	Buxar	0.22	.....	0.58	0.08	0.18	.....	2.09	5	3.15	4.54	5.34	15.54	22.34
		Dehree	.....	1.90	0.97	3.35	0.96	.....	2.89	6	19.22	19.09	.....	21.16	.....
		Bhuboah	.....	0.45	0.30	1.10	0.90	0.70	1.90	6	5.35	8.10	6.08	17.07	24.59
		Sasseram	.....	0.40	.....	3.30	1.59	3.65	4.05	5	12.33	13.35	6.03	21.83	24.42
		Arrah	.....	.....	0.07	2.16	.....	.....	0.30	3	3.03	3.46	5.09	16.79	23.12
	Gya	Aurangabad	.....	2.12	1.45	2.98	2.58	0.25	1.91	6	11.27	11.54	5.96	24.53	25.08
		Gya	.....	0.37	0.15	0.28	0.42	1.85	5.37	5	3.07	4.68	5.59	15.41	24.29
		Nowadah	.....	0.24	.....	0.77	1.50	0.86	5.34	5	3.45	4.44	5.15	12.57	24.65
		Jehanabad	.....	0.19	0.46	1.45	0.85	.....	3.09	4	5.89	7.57	6.24	17.33	23.09
	Patna	Patna	.....	.....	0.55	1.36	1.22	0.19	0.37	5	3.69	5.06	5.51	19.76	25.37
		Dinapore	.....	.....	1.30	3.30	1.21	0.99	0.15	5	6.05	9.07	4.99	23.67	23.42
		Behar	.....	.....	0.14	0.95	0.55	0.84	1.94	5	3.52	3.60	5.09	10.97	27.14
		Barh	0.05	0.07	0.68	0.27	0.13	2.13	1.99	7	4.35	4.73	5.47	17.70	24.49
	Monghyr	Begoserai	.....	.....	0.68	0.59	0.53	1.39	0.73	5	3.92	4.69	5.15	16.92	23.95
		Monghyr	.....	0.19	0.18	1.49	1.90	0.15	0.15	6	3.97	4.62	6.03	20.87	26.78
		Jamui	0.60	.....	0.44	3.94	0.50	3.09	1.92	6	9.48	10.22	6.90	25.45	27.91
	South Bhagulpore.	Bhagulpore	.....	.....	0.65	2	.....	0.37	0.01	4	0.65	1.58	6.12	24.62	26.96
		Banks	.....	.....	0.30	0.95	2.35	0.20	0.83	5	4.05	5.19	6.53	16.52	27.25
	South Per-gunnahs.	Rajmehal	.....	.....	0.18	0.18	0.22	0.43	0.06	5	1.07	1.77	4.28	21.69	28.28
		Gouda	.....	0.11	0.13	0.74	0.65	.....	0.13	5	1.16	1.71	7.19	15.96	27.94
		Pakour	0.26	.....	1.69	0.14	0.51	0.75	0.90	6	3.76	4.57	3.70	24.64	30.93
		Nya Doomka	.....	0.18	0.04	0.06	0.85	0.05	0.31	6	1.49	3.15	7.96	16.21	32.69
		Deogur	0.25	0.09	0.15	0.51	0.61	1.15	0.45	7	3.11	4.29	6.12	18.45	30.21
		Jamtara	1.50	.....	.....	1.36	0.48	.....	0.15	4	3.08	4.92	5.79	20.71	36.98
BENGAL	Hazaribagh	Pachamba	0.39	.....	0.20	0.33	0.56	0.65	0.54	6	2.67	3.96	6.47	18.66	29.39
		Hazaribagh	.....	1.82	0.14	.....	0.94	0.24	2.84	5	5.98	10.15	7.25	23.31	28.95
		Semagurah	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.09	29.67	.....
		Mahudi Hills	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.07	29.70	.....
	Lohardugga	Lohardugga	.....	.....	0.05	0.07	0.57	0.67	3.05	7	4.29	7.66	.....	29.89	31.65
		Ranchi	0.04	0.03	0.05	1.58	0.57	0.67	3.05	6	6.65	7.45	7.77	17.45	25.92
		Palamow	.....	.....	0.45	1.58	1.24	0.35	1.35	6	6.65	7.45	.....	.....	.....
	Singbhoom	Chyebassa	.....	1.08	.....	.....	0.63	0.48	0.14	4	2.53	6.49	7.79	30.05	32.91
	Manbhoom	Paralia	0.43	0.52	.....	0.35	0.80	0.67	1.38	6	4.15	5.46	8.26	26.05	31.84
		Gobinapore	0.91	.....	.....	1.34	0.78	0.54	0.84	5	4.21	5.08	7.23	19.69	29.47

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If some of the return is missing, the corresponding spaces in the total rainfall column are left blank.

CALCUTTA,  
18th August 1884.

JOHN ELIOT,  
Meteorological Reporter to the Govt. of Bengal.



**SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS  
TAKEN IN BENGAL DURING THE WEEK ENDING THE 15TH AUGUST 1884.**

THE meteorology of the past week is of unusual interest. A break in the rains of considerable intensity had obtained previously over the whole of Behar and a large part of North Bengal. The atmospheric conditions over the Province at the beginning of the week were generally similar to those which had prevailed for some weeks previously. The chief features were the persistence of low pressure over Orissa, which had determined the paths of a succession of cyclonic vortices across the Balasore coast, and had given an unusually strong easterly component to the winds in Bengal, thus drawing the rain-bearing currents away from East and North Bengal across the western districts of South-West Bengal and Chutia Nagpur. At the commencement of the week, moderately strong monsoon winds had advanced up the Bay to the neighbourhood of the Bengal coast, and were beginning to afford general rain to South Bengal. These winds continued to give a moderate inflow of vapour, and general and frequent rain to Bengal during the whole week. About the same time, a strong advance of westerly winds across the head of the Continent began to influence the weather in Behar. Westerly winds giving heavy rain commenced in South-West Behar on the 11th and extended eastwards. The consequence of the action of these two currents was to give a falling barometer, increasing winds, and general rain, over the whole Province during the remainder of the week. The rainfall was especially heavy in South Behar, the greater part of which received amounts varying between two and three times the normal rainfall of the week. Generally, it may be stated, that Behar and Chutia Nagpur received abundant rainfall, very considerably in excess of the normal amount, whilst in Bengal and Orissa the variations from the normal amounts were generally small and counterbalanced each other, so that they received on the whole approximately normal rain. One important feature of the week was the transfer of the area of low pressure from Orissa to the south-western districts of South-West Bengal.

*Pressure.*—At the end of last week, pressure differed very slightly from the normal, except in Orissa, where there was a considerable deficiency. The low pressure in that division had been persistent and permanent for some months previously. The changes of pressure from the 9th to the 12th were generally small. There was a slight increase of pressure, which was most marked in Orissa. The effect of this was that the relatively low pressure in that area disappeared. On the afternoon of the 12th, pressure began to give way over the whole Province. The barometer fell continuously until the end of the week by different amounts in different parts of the Province. The fall slightly exceeded .2" in the south-western districts of South-West Bengal. It averaged .19" in South Behar and at Hazaribagh, .18" in East Bengal, .15" in Orissa and the southern districts of North Bengal, .14" in North Behar and .12" in the northern districts of North Bengal. This large fall reduced pressure very considerably below the average of the period, and altered the distribution of pressure. Two areas of slightly deficient pressure with respect to the remainder of the Province were formed, the one occupying South Behar and the adjacent portion of Chutia Nagpur, the second, the south-western districts of South-West Bengal. The latter appears to be the continuation of the Orissa area of low pressure, which has hence been displaced to the north. The former depression very largely influenced the amount and distribution of the rainfall of the week. It was commencing to fill up at the end of the week and has since disappeared. The South-West Bengal depression is, on the other hand, more clearly marked, and continues to influence the weather in Bengal to a moderate extent.

*Temperature.*—In consequence of the abundant rainfall of the past week, temperature, which had been considerably above the average over a large part of the interior, was much reduced. The mean temperature of the week was very slightly in excess in Orissa, North Behar, and South-West Bengal. It was, on the other hand, in defect by small amounts in South Behar, Chutia Nagpur and East Bengal. High maximum temperatures were recorded in Behar at the commencement of the week, and before the present burst of rain had extended over the whole Province. The following were the highest maximum temperatures recorded during the week:—

Mozufferpore	...	...	...	97° on the 9th.
Gya	...	...	...	96.7° " 9th.
Motihari	...	...	...	96.1° " 9th.
Pubna	...	...	...	95.5° " 9th.
Chupra	...	...	...	95.0° " 9th.

*Winds.*—Winds were very light at the beginning of the week. It was stated in last week's report that very strong monsoon winds had prevailed for some days on the Ceylon coast, and that this probably indicated the advance of strong monsoon winds up the Bay, and another burst of rainfall over the Province. Their advance up the Bay, unlike previous examples during the present rains, was not attended with any large eddying motion in fronts and hence they did not give rise to a small cyclonic storm, and have discharged their vapour over the Province quietly and without local atmospheric disturbance. A remarkable change in the winds in Behar and Chutia Nagpur commenced on the 11th. Westerly winds set in on that day at Hazaribagh and at one or two stations in South Behar. They extended on the 12th and 13th to the whole of Behar and Chutia Nagpur, and a large part of South-West Bengal. They began to give way on the 14th, and normal easterly winds were re-established in Behar on the 15th. These westerly winds appear to have been the

extension of the Bombay monsoon current eastwards beyond their ordinary limits. This is the first occasion during the present south-west monsoon that the weather and rainfall in Bengal has been directly and appreciably influenced by the Bombay monsoon current. This intrusion of westerly winds into Behar, it will be seen, gave copious rain to the greater part of South Behar, where for some weeks previous the rainfall had been very deficient.

*Rainfall.*—The rainfall of the past week has been unusually abundant over the greater part of the Province. The conditions under which it has occurred have been stated under the paragraphs relating to pressure and wind. Moderate supplies of aqueous vapour have been brought into the Province by the Bay of Bengal monsoon winds. The Bombay branch of the monsoon current has poured larger supplies into the western divisions. The combination of these two inflows has been to give copious rainfall to Behar and the northern district of Chutia Nagpur, and normal rainfall to Bengal. The only divisions in which it was slightly deficient during the week were Orissa and East Bengal.

Moderate rain fell on the 9th in South-West Bengal and Orissa, and light showers in East Bengal. The break in the rains continued in North Bengal until the 10th, and in Behar until the 11th. General rain was received in North Bengal and Orissa, and the greater part of South-West Bengal, and light local showers in East Bengal. A few heavy local showers also occurred in Behar.

General, and in many cases heavy, rain fell over the whole Province, excepting Orissa, on the 11th. The largest amounts were received in the northern districts of North Bengal. The following are the falls exceeding three inches recorded on that day:—

Rungpore	...	...	...	4.17 inches.
Julpigoree	...	...	...	3.94 "
Buxa	...	...	...	3.78 "
Dinhatta	...	...	...	3.72 "

Very little rain fell in Orissa and the western districts of South-West Bengal on the 12th. General rain was received over the remainder of the Province. It was heaviest in South Behar, where the following amounts exceeding three inches were registered:—

Dehree	...	...	...	3.35 inches.
Sasseram	...	...	...	3.30 "
Dinapore	...	...	...	3.30 "
Jamui	...	...	...	3.04 "

General rain occurred over the whole Province on the 13th. It was more evenly distributed than on the 12th. On the 14th and 15th general rain again fell in all divisions except Orissa. The amounts varied considerably from station to station. The rainfall was most abundant in South Behar. The following amounts exceeding three inches were registered on these two days:—

Munshigunj in the Dacca district	...	4.2 inches on the 14th.
Jamui " Monghyr "	...	3.09 " "
Sasseram " Shahabad "	...	3.08 " "
Sasseram " " "	...	4.05 " on the 15th.
Jehanabad " Gya "	...	3.09 " "

The rainfall of the week was on the whole 17 per cent. below the normal in Orissa. The Cuttack district received an excess of 30 per cent. The Balasore district, on the other hand, barely obtained 50 per cent. of its normal amount.

South-West Bengal received an average very slightly in excess of its normal fall. Moorshedabad, Bancoora, Beerbhoom, the 24-Pergunnahs, Hooghly, Howrah, and Midnapore obtained amounts varying from 60 to 5 per cent. in excess. There was a very slight deficiency in the Jessore district. Burdwan obtained 14 per cent. less than the normal, and the Naddea districts 22 per cent.

East Bengal received on the whole 90 per cent. of its normal amount. The Dacca, Furreedpore and Mymensingh districts received amounts from 10 to 30 per cent. in excess. Chittagong, Burisal, Noakholly and Commillah received deficient rainfall, the deficiency ranging from 28 per cent. in Noakholly and Burisal to 36 per cent. in Commillah.

The rainfall of the week was practically normal in North Bengal. Rajshahye, Dinagepore and Rungpore received amounts slightly in excess, and Bogra, Pubna and Julpigoree rainfall in defect by small amounts not exceeding 11 per cent.

The rainfall was in excess in all districts of Behar and Chutia Nagpur except the Sonthal Pergunnahs and Singbhoom, where there was a slight deficiency. The excess was less than 25 per cent. in Chumparun, Mozufferpore and Durbhunga. It was between 50 and 100 per cent. in Purneah, Hazaribagh, Manbhoom, Bhagulpore, Patna and Sarun, and exceeded 100 per cent. in the Gya and Shahabad districts, which thus formed the area of most abundant rainfall during the week. The chief feature of the rainfall of the past week is that it fell most abundantly in the districts where it has hitherto been scanty.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the week ending Friday, the 15th August 1884 :—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.							RAINFALL.								
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week, above or below normal mean of week.	Of week.			Rainy days.			Since 1st of July.		Since 15th May.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	93.9	75.1	88.4	79.2	83.8	+1.0	2.45	2.95	-0.50	4.1	4.3	-0.2	5.17	6.50	28.39	30.67
South-West Bengal	91.6	70.9	88.8	78.3	83.6	+0.2	3.36	5.17	+0.19	5.2	4.7	+0.5	4.80	6.02	20.68	31.54
East Bengal	89.5	70.9	86.0	76.7	81.4	-0.3	3.78	4.21	-0.43	5.4	5.4	0	6.08	8.89	41.83	49.47
North Bengal	91.3	73.1	87.4	76.8	82.1	—	3.38	3.53	-0.15	2	4.6	+0.6	4.57	6.86	30.88	45.01
North Behar	97.0	75.3	90.3	77.8	84.1	+0.4	3.68	2.83	+0.85	5.1	4.0	+1.1	4.16	5.65	23.40	28.47
South Behar	96.7	75.3	88.1	77.7	82.9	-0.57	4.43	2.64	+1.79	5.2	3.7	+1.5	5.56	5.70	19.03	26.33
Chutia Nagpur	85.7*	71.1*	83.1*	72.5*	77.8*	-0.7*	4.35	2.90	+1.36	5.6	4.6	+1.0	6.60	7.03	22.54	29.00

\* Chyobassa not included.

METEOROLOGICAL OFFICE, BENGAL;

The 18th August 1884.

JOHN ELIOT,

Meteorological Reporter to the Govt. of Bengal.



## Results of the Meteorological Observations taken at the Alipore Observatory from 10th to 16th August 1884.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1884.				Inches.	°	°	°	°	°	Inches.	°	%			Inches.	
Aug.	10th	142.5	4.8	29.574	83.0	86.7	7.6	79.1	80.1	0.992	79.0	88	SSE and SSW ...	84	0.60	Chiefly cloudy, o, d, p, t.
"	11th	90.6	Nil	61.3	81.4	86.7	6.9	79.8	79.6	.989	78.9	82	SSW, S and variable	71	1.41	Chiefly cloudy, o, g, p, t, d.
"	12th	153.0	5.8	61.3	83.9	89.3	10.1	79.2	80.6	1.004	79.3	86	S and SSW ...	126	Nil	Chiefly cloudy, o, g, t, <.
"	13th	149.5	1.8	55.4	82.6	87.4	8.2	79.2	79.5	0.967	78.2	87	SSW, calm and variable.	73	0.14	Chiefly cloudy, o, g, d, p, t.
"	14th	146.2	1.0	47.8	81.9	86.3	8.1	78.2	75.6	.946	77.5	86	W by N and WSW	98	0.01	Cloudy, o, g, d.
"	15th	154.5	1.3	43.9	83.6	85.3	8.6	79.7	78.8	.950	77.7	83	SSW and S by E ...	89	0.53	Cloudy, o, g, d, p.
"	16th	151.6	1.8	49.0	81.3	87.9	10.4	77.5	78.4	.933	77.1	87	SSW and S ...	72	0.09	Chiefly cloudy, o, g, p, d.

The mean pressure of the seven days	...	Inches.	29.536
The average pressure of the corresponding period for 24 years, S. G.'s Office	...	...	29.590
The total number of hours of bright sunshine	...	Hours.	16.5
The maximum possible number of hours of sunshine	...	...	90.4
The mean temperature of the seven days	...	...	82.2
The average temperature of the corresponding period for 24 years, S. G.'s Office	...	...	83.1
The extreme variation of temperature	...	...	12.6
The maximum temperature	...	...	89.3
The highest velocity of the wind in one hour	...	Miles.	12
The highest pressure of wind on one square foot	...	lbs.	Not measureable
The mean relative humidity	...	%	88
The average relative humidity of the corresponding period for 24 years, S. G.'s Office	...	...	86
The total fall of rain from 10th to 16th August 1884	...	Inches.	2.78
The average fall of the corresponding period for 24 years, S. G.'s Office	...	...	3.85
The total fall from 1st January to 16th August 1884	...	...	36.87
The average fall of the corresponding period for 24 years, S. G.'s Office	...	...	42.29
The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.			
The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.			
The barometer readings are corrected approximately to those of the standard Newman's No. 86 formerly at the Surveyor-General's Office.			
The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.			
The directions of the movement of the wind are taken from the trace of a Beckley's anemograph.			
The mouth of the rain-gauge is one foot above the ground.			
o overcast, g gloomy, d drizzling rain, t thunder, < lightning, p passing temporary showers.			

JOHN ELIOT,

METEOROLOGICAL OFFICE, INDIA,  
Calcutta, the 18th August 1884.

for Meteorological Reporter to the Government of India.



## MEMORANDA.

The returns received from the first class Municipalities in Bengal during the week ending 2nd August 1884, disclose the following results:—

(1) That births were registered in these Municipalities at the rates of 18·5 per 1,000 of the living, and deaths at 28·8 per 1,000, as opposed to 17·5 and 27·5 per 1,000, respectively, during the preceding week ending 26th July.

(2) That the Municipalities which returned the highest proportions of births and deaths were—

Births.				Deaths.			
			Ratio per mille.				Ratio per mille.
Bhagulpore	...	...	44·3	Gya	...	...	71·1
Serampore	...	...	35·4	Monghyr	...	...	49·7
Chittagong	...	...	28·2	Patna	...	...	38·7
Gya	...	...	25·9	Serampore	...	...	35·4
				Bhagulpore	...	...	33·5
				Suburbs of Calcutta	...	...	30·4

(3) That the mortality from the principal diseases exhibited in the table appended to this memoranda, contrasted with the death-rates from the same causes in the preceding week, stands as follows:—

				Ratio per mille during weeks ending—	
				2nd August 1884.	26th July 1884.
Cholera	...	...	...	3·1	2·4
Small-pox	...	...	...	5	4
Fever	...	...	...	12·0	12·2
Bowel-complaints	...	...	...	5·2	4·2
Injury	...	...	...	7	6
Other causes	...	...	...	7·3	7·7

The above figures indicate that there was no very noticeable difference in fatal results from any of the diseases, except cholera and bowel-complaints.

(4) That while small-pox and injury were nowhere conspicuously severe, cholera, fever, bowel-complaints and the diseases classed under the head of "other causes," proved most fatal to life in the Municipalities named below:—

Cholera.		Fever.		Bowel-complaints.		Other causes.	
	Ratio per mille.		Ratio per mille.		Ratio per mille.		Ratio per mille.
Monghyr	... 22·6	Gya	... 29·4	Bhagulpore	... 12·7	Naraingunge	... 16·6
Gya	... 17·8			Monghyr	... 10·8	Gya	... 15·7
Poori	... 8·6			Patna	... 10·4	Dacca	... 14·3
						Suburbs of Calcutta	10·8
						Patna	... 10·4

(5) That the death-rates in relation to Sex, Class and Age were returned at the rates indicated below:—

According to Sex.			According to Class.			According to Age.		
	Ratio per mille.			Ratio per mille.			Ratio per mille.	
Males	... 29·7	Christians	...	17·4	Under 1 year	...	265·9	
Females	... 27·7	Hindus	...	30·2	1 and under 5 years	...	51·2	
Ratio of male deaths to every 100 female deaths	... 121	Mahomedans	...	25·6	5 " 10 "	...	19·1	
		Budhists	...	48·4	10 " 15 "	...	17·7	
		Other classes	...	36·4	15 " 20 "	...	14·6	
					20 " 30 "	...	18·4	
					30 " 40 "	...	18·5	
					40 " 50 "	...	12·7	
					50 " 60 "	...	28·4	
					60 years and upwards	...	55·6	

The 18th August 1884

R. LIDDERDALE, M.D., Deputy Surgeon-General,  
Sanitary Commissioner for Bengal.

DISTRICTS.		NAMES OF MUNICIPALITIES.		BIRTHS.				MORTALITY ACCORDING TO—										Sex.													
		POPULATION.		NUMBER OF—		RATIO PER 1,000 OF POPULATION PER ANNUM.		DEATHS FROM—						RATIO PER 1,000 OF POPULATION PER ANNUM.				Ratio of deaths per 1,000 of the population per annum in the previous week.		DEATHS.		RATIO PER 1,000 OF POPULATION PER ANNUM.		Ratio of male deaths to every 100 female deaths.							
								All causes.						All causes.				Ratio of deaths per 1,000 of the population per annum in the previous week.				Males.		Females.		Ratio of male deaths to every 100 female deaths.					
								Cholera.						Cholera.				Ratio of deaths per 1,000 of the population per annum in the previous week.				Males.		Females.		Ratio of male deaths to every 100 female deaths.					
								Small-pox.						Small-pox.				Ratio of deaths per 1,000 of the population per annum in the previous week.				Males.		Females.		Ratio of male deaths to every 100 female deaths.					
								Fever.						Fever.				Ratio of deaths per 1,000 of the population per annum in the previous week.				Males.		Females.		Ratio of male deaths to every 100 female deaths.					
								Bowel-complaints.						Bowel-complaints.				Ratio of deaths per 1,000 of the population per annum in the previous week.				Males.		Females.		Ratio of male deaths to every 100 female deaths.					
								Injury.						Injury.				Ratio of deaths per 1,000 of the population per annum in the previous week.				Males.		Females.		Ratio of male deaths to every 100 female deaths.					
								Other diseases.						Other diseases.				Ratio of deaths per 1,000 of the population per annum in the previous week.				Males.		Females.		Ratio of male deaths to every 100 female deaths.					
								Total.						Total.				Ratio of deaths per 1,000 of the population per annum in the previous week.				Males.		Females.		Ratio of male deaths to every 100 female deaths.					
								Males.		Females.		Total.		Males.		Females.		Total.		Ratio of male births to every 100 female births.		Ratio of male deaths to every 100 female deaths.		Ratio of male deaths to every 100 female deaths.		Ratio of male deaths to every 100 female deaths.					
Burdwan	Burdwan	18,063	16,017	34,080	8	5	6	4.6	4.6	9.2	100	...	6	4	...	1	11	...	9.2	6.1	1.5	168	29.0	7	4	29.2	13.0	175			
Midnapur	Midnapur	18,927	16,633	35,560	7	6	13	10.8	9.3	20.1	116	...	3	3	...	5	11	...	4.8	4.6	7.7	170	24.8	4	7	12.3	21.9	57			
Hughli	Hughli and Chinsurah	19,179	19,339	38,518	5	5	10	6.7	6.7	13.4	160	...	...	2	...	4	6	...	...	3.6	...	5.4	8.0	18.4	5	1	13.6	3.7	500		
Serampore	Serampore	15,559	12,937	28,496	14	4	18	27.5	7.8	35.4	359	...	1	9	1	3	18	3.9	2.9	3.9	5.9	35.4	23.6	11	7	42.2	28.1	157			
Howrah	Howrah	8,046	2,464	10,510	1	...	...	9.4	...	...	No female births.	...	...	1	...	...	...	...	...	9.4	...	9.4	...	...	...	...	...	17.1	...	No female deaths.	
24-Pargannas	24-Pargannas	60,689	44,630	105,319	25	25	48	11.3	12.3	23.6	85	...	1	62	1	52	14.7	1.9	...	1.9	8.4	4.9	...	...	17	23	14.5	36.8	73		
Kishoreganj	Kishoreganj	13,263	14,214	27,477	4	6	10	7.6	11.3	18.9	69	...	8	...	...	2	3	...	...	18.1	...	3.8	5.7	24.6	9.5	9	4	35.3	14.6	137	
Bangladesh	Bangladesh	4,038	4,853	8,891	2	1	3	12.0	6.0	18.0	200	...	3	...	...	1	...	...	...	18.0	...	6.0	...	24.0	18.0	2	2	25.8	22.3	100	
Santipur	Santipur	13,768	13,979	27,747	3	2	5	5.2	3.5	8.7	130	...	6	...	...	2	10	...	...	10.5	...	3.5	3.5	17.5	6	4	22.8	13.0	150		
Jessore	Jessore	4,539	3,665	8,204	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	6.1	...	...	...	13.2	...	1	...	14.2	...	No male deaths.	
Rajshahi	Rajshahi	10,766	9,925	20,691	...	2	2	...	5.2	5.2	No male births.	...	...	3	1	1	7	2.6	2.6	7.9	2.6	...	...	18.4	4	3	19.3	17.3	133		
Darjiling	Darjiling	8,629	2,947	11,576	...	2	2	...	13.0	13.0	25	...	...	2	...	...	...	...	...	13.0	...	...	...	13.0	1	1	10.3	17.6	100		
Dacca	Dacca	42,782	37,379	80,161	6	17	22	5.2	11.0	14.3	29	...	1	8	3	22	3.7	1.9	...	5.2	1.9	...	...	14.3	23	17	24.3	23.6	117		
Narainganj	Narainganj	7,605	4,868	12,473	2	1	3	8.3	4.1	12.4	200	...	1	1	...	4	6	...	...	4.1	4.1	...	...	16.3	2	4	13.6	42.2	60		
Chittagong	Chittagong	13,340	8,700	22,040	6	6	12	14.1	14.1	28.2	100	...	7	...	...	...	...	...	...	16.4	...	2.3	...	35.9	4	5	15.0	29.6	80		
Comilla	Comilla	8,163	5,353	13,516	1	...	1	3.9	...	3.9	No female births.	...	...	2	...	...	...	...	...	7.7	...	...	...	3.9	1	2	6.4	19.4	50		
Patna	Patna	78,762	81,475	160,237	25	53	48	8.1	7.5	15.6	108	...	1	49	32	3	32	11.9	...	13.9	10.4	1.0	10.4	38.7	69	59	39.6	37.7	101		
Gya	Gya	38,250	37,531	75,781	17	21	38	11.8	14.3	26.1	89	...	2	43	10	23	10.4	1.8	...	1.3	29.4	6.8	...	15.7	57	47	7.4	64.6	141		
Shahabad	Shahabad	20,960	22,505	43,465	6	7	13	7.2	8.4	15.6	85	...	8	2	1	4	19	2.4	2.4	9.6	2.4	12	4.7	22.7	96	10	9	24.3	20.8	111	
Moulvibazar	Moulvibazar	23,064	19,058	42,122	9	2	11	10.9	3.4	13.4	450	...	3	2	...	...	...	...	...	2.4	1.2	...	...	4.8	6	3	13.5	7.9	300		
Dur-banga	Dur-banga	33,774	32,322	66,096	14	14	28	11.0	11.0	22.0	100	...	16	2	1	4	24	...	...	17.6	1.6	...	...	3.1	18.9	21.4	18	6	27.7	9.7	300
Saran	Saran	26,044	27,263	53,307	9	3	12	8.8	2.8	11.7	390	...	12	6	...	...	...	...	...	11.7	5.9	...	...	4.9	15.5	11	12	22.0	22.9	91	
Bhagulpore	Bhagulpore	20,640	27,813	48,453	24	25	49	21.7	22.5	44.3	96	...	18	14	1	3	37	...	...	16.3	13.7	...	...	9.7	23.5	19	18	33.3	33.6	105	
Monghyr	Monghyr	23,154	29,369	52,523	12	14	26	10.8	12.7	23.5	85	...	15	12	1	1	55	22.6	...	13.6	10.8	...	...	9	49.7	35.4	35	20	64.6	35.4	175
Purneah	Purneah	8,463	15,016	23,479	3	...	3	10.4	...	10.4	No female births.	...	4	2	...	...	...	...	...	13.8	6.9	...	...	...	20.8	2	4	12.3	31.7	50	
Footi	Footi	11,027	11,305	22,332	2	2	4	4.3	4.3	8.6	100	...	1	2	...	...	...	...	...	2.1	4.3	...	...	6.4	21.4	5	5	20.8	23.1	100	
Total	Total	702,570	619,419	1,321,989	247	224	471	9.7	9.8	19.5	110	...	385	132	19	186	732	3.1	...	12.0	5.2	...	...	7	7.3	28.8	402	350	29.7	27.7	121

\* A special census of the Europeans in the Dacca Municipality was recently taken, as the census of this section of the community taken in February 1881 was not reliable, owing to the Europeans being at a minimum in that month. The number of the natives remains as before, as it was not necessary to re-census them. The figures have consequently been calculated on the revised population under all heads in the above table, except "Age," the ratios under which have been omitted, inasmuch as the census of the Europeans above alluded to cannot be employed as a basis of calculation owing to the results of the census under this head not having been recorded under the authorized form of age classification.

DISTRICTS.		NAMES OF MUNICIPALITIES.		DEATHS AMONG—				RATIO PER 1,000 OF POPULATION PER ANNUM.				DEATHS.										RATIO PER 1,000 OF POPULATION PER ANNUM.										Age.																									
				Class.				RATIO PER 1,000 OF POPULATION PER ANNUM.				DEATHS.										RATIO PER 1,000 OF POPULATION PER ANNUM.										Age.																									
				DEATHS AMONG—				RATIO PER 1,000 OF POPULATION PER ANNUM.				DEATHS.										RATIO PER 1,000 OF POPULATION PER ANNUM.										Age.																									
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R. LIDDERDALE, M.D., Deputy Surgeon-General,  
Sanitary Commissioner for Bengal.

OFFICE OF SANITARY COMMISSIONER FOR BENGL,  
The 18th August 1884.



## PUBLIC WORKS DEPARTMENT—BENGAL.

## IRRIGATION BRANCH.

Statement showing heights over mean sea-level and low water on the Rivers Ganges, Bhagirathee, Jhellinghee, and Brahmapootra for the month of July 1884.

Date.	Miles.	RIVER GANGES.										RIVER BHAGIRATH.	RIVER JHELLINGHEE.	RIVER BRAHMAPOOTRA.
		Mirzapore.	Benares.	Buxar.	Dinapore.	Monghyr.	Sahibganj.	Rampore Banah.	Godlundo.	Berhampore.	Krishnachur.	Gowhaty.		
1st	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2nd	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3rd	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4th	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5th	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6th	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7th	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8th	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9th	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10th	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11th	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12th	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13th	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14th	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15th	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16th	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17th	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18th	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19th	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20th	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21st	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22nd	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23rd	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24th	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25th	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26th	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27th	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28th	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29th	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30th	...	...	...	...	...	...	...	...	...	...	...	...	...	...

C. W. ODLING,  
Under-Secy. to the Government of Ben gal.

Dated 18th August 1884.



## PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Statement showing the total amount of Traffic and Tolls on the Circular Canal at the Chitpur Toll Station for the month of July 1884.

Number of boats.	NATURE OF CARGO.	APPROXIMATE		TONNAGE OF BOATS.		Tollage.
		Weight of cargo.	Value of cargo.	Maunds.	Tons.	
	LOCAL TRAFFIC.	Mds.	Rs.			Rs. A. P.
114	Coal ...	62,229	23,336	91,875	3,181	617 12 6
25	Earthenware ...	700	350	6,425	229	24 1 6
4	Sand ...	2,250	720	4,850	173	20 1 0
1	Lime ...	460	344	1,000	35	3 12 0
1	Iron ...	50	300	175	6	1 8 6
1	Mats ...	40	400	175	6	1 8 6
1	Mustard-seed ...	125	500	500	17	4 6 0
1	Castor-seed ...	160	480	450	16	3 15 0
1	Vegetables ...	50	100	175	6	1 8 6
2	Tobacco ...	210	2,100	475	16	4 2 6
2	Jaggery ...	250	1,000	1,950	69	7 5 0
270	Salt ...	1,32,600	3,31,500	2,37,725	8,495	1,973 9 0
16	Bones ...	4,300	4,300	8,150	291	32 9 0
1	Dry-fish ...	10	100	150	5	1 5 6
440	Total ...	2,03,434	3,65,530	3,54,075	12,545	2,697 8 6
663	Total of same month last year.	2,10,995	3,73,250	4,21,525	15,048	3,907 15 6
	MISCELLANEOUS.					
562	Empty, passenger, planks, fish, &c.	2,000	8,000	4,77,900	17,067	2,088 7 6
84	Boats under 25 maunds	.....	.....	.....	.....	21 0 0
.....	Demurrage ...	.....	.....	.....	.....	34 1 6
646	Total ...	2,000	8,000	4,77,900	17,067	2,143 9 0
659	Total of same month last year.	1,97,500	3,93,800	3,94,775	14,098	1,927 11 9
1,086	Grand Total ...	2,05,434	3,73,530	8,31,975	29,612	4,841 1 6
1,322	Grand total of same month last year.	4,08,495	7,67,050	8,16,300	29,146	5,835 11 3

## MEMORANDUM.

	Rs. A. P.
Unrecovered balance on the 1st of the month ...	272 0 9
Amount of tollage for the month ...	4,841 1 6
Total ...	5,113 2 3
Amount credited in the accounts for the month ...	4,993 15 3
Balance at the end of the month ...	119 3 0

## PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Statement showing the total amount of Traffic and Tolls on the Circular Canal at the Dhappa Toll Station for the month of July 1884.

Number of boats.	NATURE OF CARGO.	APPROXIMATE		TONNAGE OF BOATS.		Tollage.
		Weight of cargo.	Value of cargo.	Maunds.	Tons.	
	LOCAL TRAFFIC.	Mds.	Rs.			Rs. A. P.
8	Earthenware ...	204	102	1,100	39	9 10 0
66	Lime ...	77,965	62,372	1,29,625	4,629	1,134 3 6
297	Firewood ...	2,04,075	40,815	4,08,200	14,578	3,061 8 0
39	Iron ...	5,609	33,654	19,425	693	84 15 9
8	Brass ...	1,141	43,358	13,000	464	18 9 6
1	Cotton ...	210	3,780	450	15	2 10 0
26	Jute ...	15,065	60,260	23,025	822	201 7 6
11	Mats ...	737	7,370	6,475	231	56 10 6
4	Paddy ...	883	1,546	1,950	69	17 1 0
349	Rice ...	1,50,680	5,27,380	3,22,575	11,520	2,822 8 6
2	Wheat ...	580	1,450	1,200	42	10 8 0
82	Gram ...	35,797	71,594	56,825	2,029	489 5 6
105	Linseed ...	38,995	1,55,980	76,575	2,734	670 0 6
5	Mustard-seed ...	3,920	16,760	11,550	412	65 11 9
28	Til ...	8,624	28,028	14,225	508	124 7 6
133	Other oils ...	26,136	1,11,074	69,700	2,846	304 15 0
17	Oil-cake ...	5,700	5,700	10,625	379	92 15 0
21	Fruits ...	1,865	5,595	4,125	147	35 0 0
7	Vegetables ...	765	1,530	1,950	69	17 1 0
16	Spices ...	2,820	50,760	5,375	191	47 0 6
1	Turmeric ...	300	2,400	675	14	5 14 6
25	Grass for cattle ...	1,450	5,800	13,300	475	116 6 0
7	Straw ...	75	375	2,100	75	18 6 0
76	Betelnuts ...	14,639	1,17,112	34,400	1,228	299 2 3
5	Sugar, unrefined ...	600	6,000	1,500	53	13 2 0
46	Jaggery ...	16,955	67,820	36,050	1,287	300 14 3
40	Salt ...	4,380	10,950	14,300	510	55 9 0
12	Hides ...	5,225	10,450	1,050	37	9 3 6
25	Bones ...	2,000	2,000	3,975	106	34 12 6
5	Dry fish ...	50	500	550	19	4 13 0
1,467	Total ...	6,27,445	14,52,515	12,85,875	46,221	10,124 8 0
1,811	Total of same month last year.	7,17,100	12,38,800	15,05,875	53,841	12,588 0 6
	MISCELLANEOUS.					
1,990	Empty, passenger, fish, planks, honey, tamarind, onion, shells, fowls, charcoal, ghee, golpatta, wooden plate, bamboos, betel, &c.	1,07,500	4,30,000	3,61,050	12,823	3,158 3 3
414	Boats under 2½ maunds	.....	.....	.....	.....	103 8 0
.....	Demurrage	.....	.....	.....	.....	477 3 0
2,404	Total ...	1,07,500	4,30,000	3,61,050	12,823	3,739 14 3
3,069	Total of same month last year.	1,00,000	3,00,000	2,75,750	9,848	3,110 4 6
3,871	Grand Total ...	7,34,945	18,82,515	16,46,925	59,044	13,864 6 3
4,880	Grand total of same month last year.	8,17,100	15,38,800	17,81,625	63,689	15,698 5 0

## MEMORANDUM.

	Rs. A. P.
Unrecovered balance on the 1st of the month	569 4 3
Amount of tollage for the month	13,864 6 3
	Total
Amount credited in the accounts for the month	14,433 10 6
	13,702 11 3
Balance at the end of the month	730 15 3

## PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Statement showing the total amount of Traffic and Tolls on the Tolly's Nullah for the month of July 1884.

Number of boats.	NATURE OF CARGO.	APPROXIMATE		TONNAGE OF BOATS.		Tollage.
		Weight of cargo.	Value of cargo.	Maunds.	Tons.	
	LOCAL TRAFFIC.	Mds.	Rs.			Rs. A. P.
43	Coal	21,690	8,133	43,025	1,536	186 5 6
30	Roadstone	12,350	3,087	30,175	1,077	113 2 6
165	Bricks	4,04,000	3,239	88,590	3,160	331 14 0
12	Tiles	17,200	420	6,275	224	23 8 6
128	Earthenware	1,395	2,610	25,450	908	97 6 0
27	Sand	11,350	3,632	30,600	1,092	114 12 0
1	Lime	10	8	25	.....	0 4 0
149	Firewood	50,325	10,065	94,250	3,364	676 8 0
2	Iron	255	1,530	1,200	42	9 10 0
3	Brass	30	1,140	150	5	0 15 0
6	Cotton	650	11,700	2,575	91	21 4 6
4	Jute	275	1,100	625	21	5 7 6
6	Mats	500	5,000	1,400	49	12 4 0
181	Paddy	27,330	47,828	60,725	2,167	530 5 6
793	Rice	1,24,153	4,34,535	2,47,575	8,840	1,766 5 0
1	Wheat	20	50	325	11	2 13 6
45	Gram	17,540	33,280	55,275	1,973	478 4 0
8	Mustard seed	3,175	15,875	7,875	280	47 2 6
18	Til	3,100	10,075	7,425	96	64 15 6
10	Other oils	3,460	14,272	11,350	405	50 6 0
1	Oil-cake	65	65	150	5	0 10 6
5	Fruits	190	570	750	26	3 15 0
62	Vegetables	5,355	10,710	18,350	654	72 6 6
18	Tobacco	3,050	30,500	12,050	430	45 3 0
4	Spices	115	1,840	325	11	2 5 9
3	Grass for cattle	28	126	450	16	3 15 0
218	Straw	3,653	18,265	33,250	1,186	211 9 0
1	Betelnuts	250	1,875	575	20	5 0 6
3	Sugar, refined	450	5,325	1,150	41	10 1 0
120	Jaggery	19,565	78,560	39,725	1,381	290 12 0
217	Salt	48,173	1,20,432	2,24,600	7,984	960 5 6
7	Cattle	113	169	350	12	3 1 3
5	Dry fish	200	2,000	725	25	6 5 6
1	Hides	231	462	75	2	0 10 6
2,297	Total	7,80,246	8,78,478	10,47,325	37,134	6,149 14 9
2,783	Total of same month last year.	4,50,608	7,30,206	8,97,925	32,061	6,157 0 6
	MISCELLANEOUS.					
1,997	Empty, passenger, gol-patta, planks, shells, fish, pipes, babla wood, baskets, soorkee, &c., &c.	24,775	99,100	3,65,725	13,061	1,952 0 6
156	Boats under 25 maunds	.....	.....	.....	.....	39 0 0
.....	Demurrage	.....	.....	.....	.....	117 7 3
2,153	Total	24,775	99,100	3,65,725	13,061	2,108 7 9
2,387	Total of same month last year.	1,75,972	1,39,602	3,43,875	12,280	1,923 7 9
4,450	Grand Total	8,05,021	9,77,578	14,13,050	50,195	8,258 6 6
5,170	Grand total of same month last year.	6,26,580	8,69,808	12,41,800	44,341	8,080 8 3

## MEMORANDUM.

	Rs.	A.	P.
Unrecovered balance on the 1st of the month	...	...	253 11 9
Amount of tollage for the month	...	...	8,258 6 6
Total	...	...	8,512 2 3
Amount credited in the account for the month	...	...	8,179 13 0
Balance at the end of the month	...	...	332 5 3

## ABSTRACT FOR THE MONTH OF JULY 1884.

	TRAFFIC, 1884-85.		TRAFFIC, 1883-84.	
	During the month.	To end of the month.	During the corresponding month.	To end of the corresponding month.
CIRCULAR CANAL.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Circular Canal at Chitpore toll-station ...	4,841 1 6	20,898 11 6	5,835 11 3	19,473 4 3
Ditto at Dhappa toll-station ...	13,864 6 3	60,703 14 0	15,698 5 0	64,532 3 3
Total ...	18,705 7 9	81,602 9 6	21,534 0 3	84,005 7 6
Tolly's Nullah ...	8,258 6 6	28,262 4 3	8,080 8 3	32,874 8 0
GRAND TOTAL ...	26,963 14 3	1,09,864 13 9	29,614 8 6	1,16,879 15 6

CALCUTTA, }  
 The 19th August 1884. }

G. F. E. S. NEILL, Major, M.S.C.,  
 Under-Secretary to the Govt. of Bengal.



## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 9th August 1884 on 1,509½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	198,719	2,07,035 14 0	19,58,510 20	4,67,550 8 0	16,160 4 0	6,90,755 10 0	60,579½	92,885½	153,764½
Or per mile of railway ...	.....	137 2 6	.....	309 11 11	10 11 3	457 9 8	.....	.....	.....
For previous 5 weeks of half-year ...	939,273	9,51,116 8 0	96,29,805 0	22,38,727 5 2	83,145 9 2	32,12,989 6 4	290,432½	422,604½	713,037½
Total for 6 weeks ...	1,137,992	11,58,152 6 0	1,15,88,315 20	27,06,286 13 2	92,305 13 2	32,65,745 0 4	351,312½	515,489½	866,802
COMPARISON.									
Total for corresponding week of previous year ...	192,725½	1,87,666 4 5	24,40,021 30	7,05,315 3 9	17,071 3 5	9,00,999 11 7	62,090	173,081	235,171
Per mile of railway, corresponding week of previous year ...	.....	124 5 2	.....	467 6 6	11 5 0	603 0 8	.....	.....	.....
Total to corresponding date of previous year ...	1,170,331½	11,80,552 12 3	1,40,68,970 0	40,63,419 7 7	1,00,450 6 2	53,44,422 10 0	371,744	572,006	1,243,750

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 11TH AUGUST 1883.			RECEIPTS FOR WEEK ENDING 9TH AUGUST 1884.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 11TH AUGUST 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 9TH AUGUST 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
1,509	9,00,991	603	1,509½	6,90,756	458	1,509	1,94,59,019	12,895	1,509½	1,55,91,314	10,329	.....	38,67,705

## EASTERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for week ended 2nd August 1884, on 359 miles open, including Calcutta and South-Eastern and Bengal Central Railway mileage.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated). Including steam boat.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
A.—Total traffic for the week ...	106,361	32,170 0 0	1,06,816 0	35,750 0 0	5,320 0 0	72,940 0 0	12,637	7,163	19,820
Or per mile of railway ...	296	89 9 9	548 0	99 9 4	.....	189 3 1	.....	.....	.....
For previous 5 weeks of half-year ...	506,436	1,14,960 0 0	6,90,302 0	1,13,270 0 0	17,630 0 0	2,45,890 0 0	47,022	30,943	77,965
Total for 6 weeks ...	412,797	1,47,130 0 0	8,87,118 0	1,49,020 0 0	22,650 0 0	3,18,530 0 0	59,679	38,106	97,785
COMPARISON.									
B.—Total for corresponding week of previous year ...	77,724	20,334 0 0	2,08,425 0	40,740 0 0	9,064 0 0	39,744 0 0	9,988	7,170	17,158
Per mile of railway corresponding period of previous year ...	206	116 5 5	1,021 0	189 2 4	.....	304 7 9	.....	.....	.....
Total to corresponding date of previous year ...	384,220	1,61,377 0 0	12,70,799 0	2,16,467 0 0	41,642 0 0	4,19,486 0 0	59,275	25,161	84,436

A.—Includes receipts of Calcutta and South-Eastern Railway, and 50 per cent. of receipts of Bengal Central Railway, viz. Rs. 4,530 and Rs. 3,739 respectively apportioned over the several heads of traffic.

B.—Includes share of Bengal Central Railway receipts due to Eastern Bengal Railway for working, viz. Rs. 979, and Calcutta and South-Eastern receipts, Rs. 4,384.

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

RECEIPTS FOR WEEK ENDING 4TH AUGUST 1883.			RECEIPTS FOR WEEK ENDING 2ND AUGUST 1884.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 4TH AUGUST 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 2ND AUGUST 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
263	80,744	341	350*	72,940	205	263	16,45,381	6,256	359	13,20,963	3,680	.....	3,24,418

\* Increase in mileage.

Porada section	.....	Miles.
Bengal Central Railway, Bongong to Khulna...	.....	91
		96

## EASTERN BENGAL STATE RAILWAY.

Approximate return of traffic for week ended 9th August 1884 on 359 miles open, including Calcutta and South-Eastern and Bengal Central Railway mileage.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated), including steam-boat.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
A.—Total traffic for the week ...	81,417	31,630 0 0	2,34,513 0	50,419 0 0	7,730 0 0	80,770 0 0	13,037	8,295	21,382
Or per mile of railway ...	227	88 0 0	653 0	141 0 0	0 0 0	229 0 0	.....	.....	.....
For previous 5 weeks of half-year ...	412,797	1,47,360 0 0	8,87,118 0	1,40,020 0 0	22,650 0 0	3,18,830 0 0	59,679	38,196	97,785
Total for 6 weeks ...	494,214	1,78,790 0 0	11,21,631 0	1,90,430 0 0	30,380 0 0	4,08,600 0 0	72,766	64,401	1,10,167
COMPARISON.									
B.—Total for corresponding week of previous year ...	68,157	30,542 0 0	2,12,972 0	37,572 0 0	8,442 0 0	76,556 0 0	10,033	6,700	16,733
Per mile of railway corresponding period of previous year ...	259	116 2 1	810 0	142 13 9	0 0 0	258 15 10	.....	.....	.....
Total to corresponding date of previous year ...	452,377	1,91,919 0 0	14,83,771 0	2,54,039 0 0	50,084 0 0	4,96,042 0 0	60,308	41,881	1,02,189

A.—Includes receipts of Calcutta and South-Eastern Railway, and 50 per cent. of receipts of Bengal Central Railway, viz. Rs. 4,358 and Rs. 3,905 respectively apportioned over the several heads of traffic.

B.—Includes share of Bengal Central Railway receipts due to Eastern Bengal Railway for working, viz. Rs. 939, and Calcutta and South-Eastern receipts Rs. 4,213.

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

RECEIPTS FOR WEEK ENDING 11TH AUGUST 1883.			RECEIPTS FOR WEEK ENDING 9TH AUGUST 1884.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 11TH AUGUST 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 9TH AUGUST 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
263	76,556	291	359*	89,770	250	263	17,21,937	6,547	359	14,33,273	3,992	.....	2,88,664

\* Increase in mileage.

Porada section	5
Bengal Central Railway, Bongong to Khulna	91
	96
	—

## BENGAL CENTRAL RAILWAY.

Approximate return of Traffic for week ended 2nd August 1884, on 126 Miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
A.—Total traffic for the week ...	17,846	6,647 0 0	11,682 0	802 0 0	30 0 0	7,479 0 0	3,193	1,062	4,255
Or per mile of railway ...	142	52 12 1	93 0	6 5 10	0 3 10	59 5 9	.....	.....	.....
For previous 5 weeks of half-year ...	67,409	24,240 0 0	42,622 0	4,408 0 0	185 0 0	28,923 0 0	11,270	4,505	15,775
Total for 6 weeks ...	85,315	30,887 0 0	54,304 0	5,300 0 0	215 0 0	36,402 0 0	14,463	5,567	20,030
COMPARISON.									
B.—Total for corresponding week of previous year ...	9,710	1,602 0 0	13,815 0	345 0 0	12 0 0	1,959 0 0	894	335	1,229
Per mile of railway corresponding period of previous year ...	277	45 12 4	395 0	9 13 9	0 5 5	55 15 6	.....	.....	.....
Total to corresponding date of previous year ...	48,492	8,268 0 0	84,622 0	1,839 0 0	223 0 0	10,390 0 0	4,365	1,696	6,061

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

RECEIPTS FOR WEEK ENDING 4TH AUGUST 1883.			RECEIPTS FOR WEEK ENDING 2ND AUGUST 1884.			TOTAL RECEIPTS FROM 1ST APRIL TO 4TH AUGUST 1883.			TOTAL RECEIPTS FROM 1ST APRIL TO 2ND AUGUST 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
35	1,090	86	126	7,479	59	35	59,079	1,116	126	1,71,758	1,363	1,52,683	.....

## BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 9th August 1884 on 126 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated.)	Total earnings.	TOTAL TRAIN MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
A.—Total traffic for the week ...	19,296	7,046 0 0	5,459 0	672 0 0	52 0 0	7,810 0 0	3,469	974	4,443
Or per mile of railway ...	153	56 0 0	43 0	5 0 0	1 0 0	62 0 0	.....	.....	.....
For previous 5 weeks of half-year ...	85,315	30,887 0 0	54,304 0	5,300 0 0	215 0 0	36,402 0 0	14,463	5,667	20,030
Total for 6 weeks ...	104,611	37,933 0 0	59,763 0	5,972 0 0	307 0 0	44,212 0 0	17,932	6,541	24,473
COMPARISON.									
B.—Total for corresponding week of previous year ...	8,094	1,587 0 0	8,332 0	268 0 0	24 0 0	1,879 0 0	945	263	1,208
Per mile of railway corresponding period of previous year ...	237	45 5 6	238 0	7 10 6	0 11 0	53 11 0	.....	.....	.....
Total to corresponding date of previous year ...	57,486	9,855 0 0	92,354 0	2,167 0 0	247 0 0	12,209 0 0	5,310	1,959	7,269

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

RECEIPTS FOR WEEK ENDING 11TH AUGUST 1883.			RECEIPTS FOR WEEK ENDING 9TH AUGUST 1884.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 11TH AUGUST 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 9TH AUGUST 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
35	1,879	54	126	7,810	62	35	40,949	1,170	126	1,80,770	1,435	1,39,821	.....

## PATNA AND GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 9th August 1884 on 57½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated.)	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	9,182	4,395 15 0	57,661 0	4,474 10 0	35 4 0	9,105 13 0	1,718	790	2,508
Or per mile of railway ...	160	80 5 7	1,008 0	78 3 8	0 9 10	139 3 1	.....	.....	.....
For previous 5 weeks of half-year ...	42,348	22,766 6 0	2,23,902 10	17,124 5 0	167 5 0	40,058 0 0	8,079½	5,942½	14,023
Total for 6 weeks ...	51,530	27,362 5 0	2,81,563 10	21,598 15 0	202 9 0	49,163 13 0	9,797½	6,782½	16,530
COMPARISON.									
Total for corresponding week of previous year ...	7,957½	4,080 2 0	44,220 0	1,824 9 0	53 13 0	5,966 8 0	1,862	532	2,394
Per mile of railway corresponding week of previous year ...	139	71 7 0	773 10	31 14 4	0 15 7	104 4 11	.....	.....	.....
Total to corresponding date of previous year ...	47,484	22,810 4 6	1,67,198 0	10,866 3 0	319 6 0	33,995 13 6	10,980	3,772	14,752

Approximate Statement of gross receipts of the Patna and Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 11TH AUGUST 1883.			RECEIPTS FOR WEEK ENDING 9TH AUGUST 1884.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 11TH AUGUST 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 9TH AUGUST 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
57½	5,907	104	57½	9,106	159	57½	1,53,720	2,687	57½	1,62,661	2,844	8,941	.....

## GHAZIPUR-DILDARNAGAR STATE RAILWAY.

Approximate Return of Traffic for week ended 9th August 1884 on 12 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,516	512 4 0	5,310 0	170 8 0	32 19 0	715 6 0	199	130	329
Or per mile of railway ...	.....	42 11 0	.....	14 3 4	2 11 6	59 9 10	.....	.....	.....
For previous 5 weeks of half-year ...	11,541	2,909 3 0	35,010 20	828 11 0	233 2 0	3,071 0 0	767	784	1,551
Total for 6 weeks ...	14,057	2,521 7 0	40,320 20	999 3 0	265 12 0	3,786 6 0	966	914	1,880
COMPARISON.									
Total for corresponding week of previous year ...	1,920½	326 6 3	10,501 20	256 5 0	6 6 0	589 1 3	244	85	329
Per mile of railway corresponding week of previous year ...	.....	27 3 2	.....	21 5 9	0 8 6	49 1 5	.....	.....	.....
Total to corresponding date of previous year ...	12,643½	2,194 5 3	52,227 20	1,307 4 0	165 12 0	3,667 5 3	1,333	641	1,974

Approximate Statement of gross receipts of the Ghazipur-Dildarnagar State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 11TH AUGUST 1883.			RECEIPTS FOR WEEK ENDING 9TH AUGUST 1884.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 11TH AUGUST 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 9TH AUGUST 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
12	589	40	12	715	60	12	19,199	1,600	12	21,719	1,810	2,520	.....

## SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 9th August 1884 on 74½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	4,045	3,431 8 0	39,153 0	1,436 6 0	89 4 0	4,951 2 0	595	809½	1,404½
Or per mile of railway ...	.....	46 1 0	.....	19 3 2	1 3 2	66 7 4	.....	.....	.....
For previous 5 weeks of half-year ...	19,729	16,730 8 0	2,26,231 10	10,151 15 3	445 0 0	27,327 7 3	3,092½	4,651½	7,744
Total for 6 weeks ...	23,774	20,162 0 0	2,65,384 10	11,582 5 3	534 4 0	32,278 9 3	3,687½	5,512½	9,200½
COMPARISON.									
Total for corresponding week of previous year ...	3,634½	2,936 7 3	44,160 39	1,618 6 0	142 9 0	4,697 6 3	612	473	1,085
Per mile of railway corresponding week of previous year ...	.....	39 6 8	.....	21 11 7	1 14 7	63 0 10	.....	.....	.....
Total to corresponding date of previous year ...	23,819½	19,822 14 1	1,22,533 0	10,957 1 0	506 10 0	31,286 9 1	3,816	5,596	7,412

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 11TH AUGUST 1883.			RECEIPTS FOR WEEK ENDING 9TH AUGUST 1884.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 11TH AUGUST 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 9TH AUGUST 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
74½	4,697	63	74½	4,931	66	74½	1,15,908	1,556	74½	1,30,615	1,753	14,707	.....



## BENGAL PROVINCIAL RAILWAYS.

## Weekly Statement of Traffic Receipts.

Latest return received.	Name of Railway.	Length open.	RECEIPTS FOR WEEK ENDING		TOTAL RECEIPTS FROM 1ST JANUARY		Total increase in 1884.	Total decrease in 1884.	Percentage of increase or decrease.
			19th May 1883.	17th May 1884.	To 19th May 1883.	To 17th May 1884.			
1884.		Miles.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs.	Rs.	
21st June ...	Northern Bengal...	249	35,562 0 0	40,393 0 0	9,50,305 0 0	7,43,389 0 0	.....	1,76,916	-18
31st May ...	Tirhoot ...	193	18,699 0 0	32,480 0 0	3,15,494 0 0	4,41,695 0 0	1,26,201	.....	+40
21st June ...	Calcutta and South-	56	5,217 0 0	5,254 0 0	1,16,657 0 0	1,30,267 0 0	13,610	.....	+12
14th " ...	Eastern ...	27½	1,037 0 0	1,478 0 0	34,197 0 0	29,432 0 0	.....	4,765	-14
	Nalhati ...	27½							
	Total ...	525½	61,106 0 0	79,605 0 0	13,86,653 0 0	13,44,783 0 0	.....	41,870	+ 3

## BENGAL PROVINCIAL RAILWAYS.

## Weekly Statement of Traffic Receipts.

Latest return received.	Name of Railway.	Length open.	RECEIPTS FOR WEEK ENDING		TOTAL RECEIPTS FROM 1ST JANUARY		Total increase in 1884.	Total decrease in 1884.	Percentage of increase or decrease.
			26th May 1883.	24th May 1884.	To 26th May 1883.	To 24th May 1884.			
1884.		Miles.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
21st June ...	Northern Bengal...	249	45,516 0 0	40,393 0 0	9,65,621 0 0	7,83,595 0 0	.....	1,82,026 0 0	-19
31st May ...	Tirhoot ...	193	20,733 0 0	32,264 0 0	3,36,227 0 0	4,75,959 0 0	1,37,732 0 0	.....	+41
21st June ...	Calcutta and South-	56	8,433 0 0	5,247 0 0	1,25,099 0 0	1,35,514 0 0	10,424 0 0	.....	+ 8
14th " ...	Eastern ...	27½	1,584 0 0	1,484 0 0	35,781 0 0	30,916 0 0	.....	4,865 0 0	-14
	Nalhati ...	27½							
	Total ...	525½	76,666 0 0	79,201 0 0	14,62,719 0 0	14,23,984 0 0	.....	38,735 0 0	- 3



# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, AUGUST 27, 1884.

## OFFICIAL PAPERS.

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## RESOLUTION ON THE GENERAL ADMINISTRATION REPORT OF THE CHITTAGONG DIVISION FOR THE YEAR 1883-84.

GENERAL DEPARTMENT.—MISCELLANEOUS.

*Darjeeling, the 26th August 1884.*

### RESOLUTION.

#### READ—

The General Administration Report of the Chittagong Division for 1883-84.

The Report is submitted by Mr. Cotton, Officiating Commissioner. Mr. Lewis was in charge of the Division throughout the year. No changes occurred during 1883-84 in the District Officers of Noakholly, Tipperah, and the Chittagong Hill Tracts. Mr. Manson held charge of Chittagong from 1st April 1883 to 11th February 1884, when he was relieved by Mr. C. A. Samuells.

2. *Tours.*—Mr. Lewis, during a tour lasting 138 days, visited all the more important parts of a division where travelling is peculiarly difficult and tedious. Mr. Hopkins, Collector of Tipperah, and Mr. Forbes, Deputy Commissioner of the Chittagong Hill Tracts, made adequate tours. Mr. Cooke, the Collector of Noakholly, made a lengthened tour of 116 days, during which he inspected the various subordinate offices that lay on his line of march, checked the payment of chowkidars' wages by the village punchayets, conducted several investigations into cases of bad livelihood, enquired into the working of the Excise Department, the license-tax assessment, the progress of road work, state of village communications, prospects of crops, the prevalent rates of rent paid by ryots of the islands in the Megna, and the nature of their titles. The Commissioner correctly states that the work done by Mr. Cooke affords a good illustration of the important and multifarious duties which fall

within the province of a District Officer while on tour; and the Lieutenant-Governor desires to add that such work, if intelligently done, not only enlarges an officer's knowledge of his district, but leads the people to look upon and trust him as an active and efficient governing power. The District or Sub-divisional officer is, while on tour, freed from the *entourage* of ministerial officers which surrounds him at head-quarters, and is given the opportunity of establishing a real personal influence over the people of his district. At Chittagong the united tours of Messrs. Manson and Samuells came to only 52 days during the year. Mr. Samuells was in office for only the last six weeks of the year under review; but in Mr. Manson's case, even with the explanations given of the stress of particular work at head-quarters, much more should have been done in the way of inspection work in the interior of the district. The Sub-divisional Officers of Sungoo and Fenny made full tours; but those of Chandpore and Bramumberiah in Tipperah were only out for 83 and 19 days respectively. The explanations given in the Report fail sufficiently to account for this neglect of an important duty, and the Lieutenant-Governor must look to the Commissioner to enforce obedience to the orders repeatedly issued in this matter.

3. *Weather and Crops.*—Tables of monthly rainfall from the sudder and sub-divisional stations are given by the Commissioner. As, however, the average rainfall for each period is not given, these statistics are comparatively uninformative. Now that the operations of the Meteorological Department have been extended, and printed returns are daily published for every district in Bengal, local officers should find no difficulty in obtaining whatever figures may be necessary to illustrate and bring out the conclusions which local experience leads them to form. At present District Officers give Government general observations, often unsupported by figures, while the Meteorological Reporter supplies figures unrelieved and unillustrated by local experience of actual results. In Chittagong early and heavy rain damaged the tea, but left the rice crop uninjured. In both Noakholly and Tipperah the rainfall of September and October was deficient, but the loss on the high lands is said to have been compensated by the heavy outturn of the low lands. Jute cultivation appears to have spread greatly in the riparian tracts of Tipperah, and to pay better than the coarser kinds of rice. The reduction of the area sown in food-crops in an outlying district like Tipperah is by no means a matter for regret, for much grain is now produced which either perishes or finds a poor market. Thus the production of valuable fibre or other non-food crops directly benefits the producers and indirectly benefits those who supply the producers with food at better prices than they otherwise would get.

4. *Health and condition of the people.*—The recorded mortality in the Chittagong district fell from 21,091 to 15,143. Calculated on the total population, the latter figure yields a death-rate of 12·80 per thousand against 17·13, the average death-rate for the last five years. For statistical purposes the figures are not of much value; but if the percentage of error is uniform, the decline in total mortality now reported may be taken to indicate a healthy year. For the other districts of the Division no statistics are given, but everywhere the general health of the people is stated to have been good. It is satisfactory to find that Rangamati, the head-quarters of the Chittagong Hill Tracts, has become more healthy since the reclamation of the lands lying opposite to the station. On the general condition of the people, the reports of all the District Officers are satisfactory. They indicate a high standard of prosperity, and in some few instances of affluence among the people, results which come from the absence of any severe pressure of population upon the soil. The Commissioner upon this subject observes:—

The material prosperity of the people of this Division is indeed a fact which admits of no dispute. There are very few wealthy individuals; but, on the other hand, there are no paupers. The possession of wealth is widely diffused among all classes of the community. I attribute this fortunate condition of things to the system of land tenure which prevails, under which almost every individual is the possessor of a small plot of land or interest in land; and a fair rent, fixity of rates, and free right of sale, are almost universally claimed and recognized. Very few of the evils which are said to exist in other parts of these provinces exist in this Division. Rack-renting is virtually unknown, and the only practical difficulty under the existing rent law, which needs a remedy, is the difficulty of realizing undisputed rents from under-tenants.

The Lieutenant-Governor has always recognized the relatively prosperous condition of the people of these eastern deltaic districts, and he would point out that the main object of the Tenancy Bill is to establish throughout Bengal those equitable and salutary principles of fair rent and fixity of tenure which differentiate the larger part of this Division from less fortunate portions of the Province. The substantive provisions of the Tenancy Bill will find in existence, in large tracts of the eastern districts, those wholesome relations between landlord and tenant which elsewhere, it may be hoped, they will tend to establish, while the procedure chapters should supply those facilities for realizing rents, the want of which is generally deprecated, as much in the interests of Government as of the zemindars throughout the Province.

5. *Emigration, Wages and Prices.*—The number of emigrants from Cox's Bazar to Arracan rose from 200 to 354. No special reasons are assigned. A further report should next year be furnished regarding the nomadic immigration of hillmen into the Chandpore sub-division of Tipperah, where they are said to be clearing large areas of jungle by jhoom cultivation. The cleared lands appear to be occupied by resident cultivators as soon as the hillmen retire. There is no ground for interference with an obviously advantageous process of reclamation. The price of rice rose throughout the Division in consequence of the short crop in other parts of Bengal. Wages appear to have remained stationary.

6. *Manufactures.*—The quantity of tea exported from the 29 gardens in Chittagong fell to 889,616lbs. from 1,030,927lbs in 1882-83. The two rice-mills at the station had a prosperous year, exporting nearly six lakhs of maunds against 2,79,000 maunds in the previous year. Native-made piece-goods are said to be rapidly giving place to imported articles, and the weavers are taking to agriculture.

7. *Trade and Commerce.*—The value of the sea-borne trade of the Port of Chittagong rose from Rs. 2,36,60,408 to Rs. 2,47,56,862. The total quantities are not shown. From another table, dealing only with foreign trade, it appears that the exports of rice, jute, and tea have fallen in quantity and risen in value. A new trade has sprung up in jute-cuttings, of which a quantity, valued at Rs. 4,85,245, was exported to New York. The trade of Chittagong will be discussed in fuller detail in reviewing the Administration Report of the Port. Here it will be sufficient to notice the Officiating Commissioner's opinion that, by reason of the competition of water-carriage, the railway from Chandpore to Chittagong is not likely to attract heavy merchandise such as rice, salt, and jute. Mr. Cotton thinks that Chittagong itself may best be developed by opening out steamer communication with Naraingunge, which he regards as the natural trade centre of Eastern Bengal. The Lieutenant-Governor, while he fully recognizes the importance of Naraingunge to the growing jute trade of Eastern Bengal, does not share the Officiating Commissioner's forebodings regarding the probable failure of railway developments in these parts. Very much would of course depend upon the practicable navigation of the Megna by vessels of large draught at all seasons of the year. Upon this point it may be noted that, at the instance of this Government, a rough survey was made last cold-weather of the channels of the Megna leading to Naraingunge. A chart, embodying the results of this survey, will be published shortly, and it will be then a matter for consideration whether a detailed survey should not be undertaken with the object of ascertaining whether sea-going steamers can with safety approach the town.

8. *Monetary arrangements.*—In Chittagong the khas tehsil system of collecting the rents of Government estates is said to have relieved the treasury of considerable pressure, and to have been a great boon to talookdars with small payments to make. For the last six or seven years a loan bank, registered under Act X of 1866, with a capital of one lakh, has been in existence in Tipperah. The bank issues loans at various rates of interest on good security. Dividends are declared quarterly, but have never exceeded 12 per cent. It is stated that agriculturists do not resort to it largely, preferring to borrow from their own mahajans, and in this connection it would be interesting to know whether the strong tenant-right which prevails in the district has had the effect of establishing a moderate rate of interest on loans made by ordinary



village mahajans. On this point the Commissioner is requested to submit a special report before November next.

9. *State of Public Feeling.*—Owing to the prevalence of small proprietary tenures throughout the Division, such public feeling as exists concentrates itself upon the local land questions, and pays comparatively little attention to the wider political problems which are said to excite interest in some districts of Bengal. The peculiar revenue system of Chittagong, and the existence of large Government estates in Noakholly and Tipperah, lead to frequent re-settlements which, in a country of small proprietors, stir up feelings frequently out of all proportion to the revenue involved. The recent orders of the Government of India on the subject of re-settlements of land revenue, though not applicable in their entirety to Bengal, will serve to mitigate, if not to remove completely, such causes of dissatisfaction. The Bengal Tenancy Bill is said to create much interest; but the Commissioner says that its provisions are imperfectly understood, while “the impression prevails that it is intended to benefit the ryots at the expense of their landlords.” The Lieutenant-Governor has little doubt that, if the provisions of the Bill were fully understood, much of the zemindar’s opposition to it would disappear. His experience is that zemindars as a body believe the Bill to contain provisions which do not exist in it, and which are contrary to its object. The Local Self-Government scheme and the Criminal Procedure Code Amendment Bill are said to have attracted no notice among the native community in this Division. The Deputy Commissioner’s remarks on the question of enforcement of labour in the Hill Tracts have already received attention in the Political Department, and the matter should be considered as settled.

10. *Public Press.*—Of the two fortnightly periodicals published last year in Chittagong, one has been discontinued. A weekly paper was started, but failed. One weekly paper is published in Tipperah. Both publications are said to be of a somewhat negative character, but they occasionally call attention to local matters which might otherwise escape notice.

11. *Administrative Changes.*—The khas system, or circle system of managing the Government estates in Chittagong, is said to have been severely strained during the year, but to have withstood the strain on the whole fairly well. The registration of proprietary titles to land in the district was almost completed after employing nine Sub-Deputy Collectors for four years on registering 150,992 interests in 78,569 estates. Between 2,000 and 3,000 remain, in which the proprietors have not yet been traced.

12. *Police and Crime.*—The Chittagong Police are well spoken of, and are reported to have earned large rewards under the salt, excise, and opium cases. Noakholly is described as a penal settlement for the police, and the force as decidedly inferior. No special fault is found with the Tipperah Police. Mr. Hopkins remarks that too much time is spent on inspection, and the Commissioner adds that this applies to all districts in Eastern Bengal where police officers must travel from place to place by boat.

13. The statistics of crime furnished in the Report show that the number of non-cognizable cases remained stationary in Chittagong, while the cognizable cases were fewer by 483 than in 1882. In Noakholly and Tipperah there was a decrease of 222 and 209 respectively in cognizable cases, and in the latter district of 259 in non-cognizable cases also. Generally speaking, it may be said that there is no professional crime in the Division unless forgery comes under that definition; and that disputes about land are almost the only causes which lead to breaches of the law.

14. *Civil Justice.*—Suits for money and moveable property in the three regulation districts of the Division rose from 17,936 to 18,383, and rent-suits from 23,067 to 23,612; while title and other suits fell from 6,291 to 6,047. In Chittagong the number of rent-suits alone rose from 6,399 to 7,308, owing, it is alleged, to the difficulty of realizing rent under the recent settlement. Even after this increase, however, it appears that only 6·9 per cent. of the rent-roll shown in the road cess returns is recovered by suit; while in Noakholly suits are filed for 12·5 per cent., and in Tipperah for about 14·5 per cent. The percentage of uncontested cases was 63 in Tipperah, 64 in Chittagong, and 69 in Noakholly. The suggestive remarks of the

Collector of Tipperah on the working of the civil courts of first instance will be considered in the Judicial Department.

15. *Land Revenue*.—The outstanding balance of land revenue due from Government estates in Chittagong rose from Rs. 1,04,803 to Rs. 1,21,412. In the other districts of the Division collections were fair. The difficulties experienced in Chittagong were due to special causes, the most important of which—the doubts thrown upon the correctness of the recent Noabad settlement—is still under consideration, pending the results of enquiry by an officer specially deputed to Chittagong for the purpose. Settlement work has made good progress in both Noakholly and Tipperah. Messrs. Cooke and Hopkins, Collectors of these districts, and Deputy Collectors Mr. H. W. Barber and Baboo Sarat Chunder Dass, deserve credit for the care and industry they have shown in revising settlements which had fallen into extreme disorder.

16. *Excise*.—The excise revenue of the Division rose to Rs. 2,96,311 from Rs. 2,36,947 in 1882-83. The average for the previous five years was Rs. 1,89,754. As compared with the previous year, the only noticeable items of increase are Rs. 3,448 under ganja, accompanied by a slight decrease in consumption, and Rs. 54,619 under opium. The increase in opium represents an excess consumption of nearly 58 maunds—eight at Chittagong itself, and the rest at Cox's Bazar. It is explained by the practice of smuggling excise opium into Arracan, where the wholesale price is the same as in Bengal, but the retail price is forced up by the monopoly system of opium licenses in force in British Burma. The question is still under consideration.

17. *Stamps*.—The stamp revenue in Chittagong, Noakholly, and Tipperah rose from Rs. 10,33,260 to Rs. 10,93,364. No special causes are assigned for the increase. It is observed that the incidence of stamp revenue in the Chittagong Division is five annas per head of population, against three annas per head—the incidence for the whole of Bengal. This is no more than might be expected where small properties are numerous and the general standard of prosperity high.

18. *Salt*.—Owing to large clearances for Naraingunge, the amount of salt on which duty was levied in Chittagong increased from Rs. 3,51,004 to Rs. 3,98,963. The consumption of salt in the two saliferous districts is said to have risen from 1,85,070 maunds to 1,87,007 maunds, and it is added that Mr. Manson, Collector of Chittagong, and Mr. Mackertich, Sub-divisional Officer of Cox's Bazar, have exerted themselves to repress smuggling in Kutabdia Island and the thana of Teknaaf. The Commissioner, however, still thinks that the rate of consumption (6·2 seers per head in Chittagong, and 5½ in Noakholly) is below the true standard for a flourishing population.

19. *Communications*.—There are no important works to be noticed under this head. A new road cess office is to be built at Chittagong, and some progress has been made in bridging the numerous unbridged roads in that district. In Noakholly great progress is said to have been made in extending village roads on a system of grants-in aid. One new road was opened in the Chittagong Hill Tracts.

20. *Education*.—The following table shows the statistics of education for the last two years:—

	1883-84.		1882-83.	
	Schools.	Pupils.	Schools.	Pupils.
Chittagong ... ..	1,298	36,667	1,417	37,143
Noakholly ... ..	1,805	43,718	2,105	45,552
Tipperah ... ..	3,543	74,174	4,470	90,509
Chittagong Hill Tracts ... ..	14	266	10	227

With the exception of a trifling increase in the Chittagong Hill Tracts, the number of schools and pupils declined everywhere. In Chittagong the decrease is said to be due to the exclusion of certain lower primary schools from the central examination under the system of payment-by-results, and thus to be only nominal. The decrease in Noakholly, and the reason given by the Magistrate of Tipperah for the reduction of the number of schools by 300 and of pupils by 1,834, is couched in too general terms to be wholly satisfactory. The Commissioner remarks that the progress reported in female education is little better than fictitious, "as it is an invariable practice to withdraw girls from school before they have got beyond the spelling-book."

21. *Committees.*—In the Regulation Districts of the Division the various Committees are said to have made themselves useful, either as consulting bodies or by taking an active part in local administration. The Commissioner remarks that they show to most advantage in municipal business, where the members have to deal with a limited area, the requirements of which they know thoroughly. In the matter of roads their acquaintance with local facts is frequently incomplete, while, if the area to be managed is broken up and placed under Branch Committees, difficulty is found in procuring men of high character and good position to serve upon them. In Noakholly the non-official Vice-Chairman of the Municipality is said to have done excellent work, and the Magistrate seems very properly to have allowed him and other non-official members a large measure of independence. These gentlemen, however, are stated to think the presidency of the Magistrate essential to the successful working of the Committee, on the ground that punctual attendance and orderly procedure could not otherwise be secured. In time, no doubt, habits of punctuality and order will not need enforcement by the official presence.

22. *Conduct of zemindars.*—The report contains no information regarding the conduct of the zemindars or their relations with their tenantry in the regulation districts of the Division. The conduct of the Chukma Chief in the Hill Tracts formed the subject of special orders. Since the close of the year under report, the Mong Rajah died, leaving the affairs of his territory in great disorder. His minor nephew, Nipproosyne, has been proclaimed as his successor.

23. *Character of Officers.*—The remarks recorded by Mr. Lewis under this head will be communicated to the Appointment Department.

By order of the Lieutenant-Governor of Bengal,

A. P. MacDONNELL,

Secretary to the Government of Bengal.



## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different District of Bengal, as reported to Government during the week ending the 23rd August 1884.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date
<b>BENGAL.</b>			
<i>Western Districts.</i>			
BURDWAN DIV.	1 Burdwan, 23 Aug. '84	2.30	Weather—showery, cool, and bright. Rain generally slight and local. Prospects slightly improved in the Ranee-gunje and Sudder sub-divisions. Rain still insufficient, but transplanting going on. Prospects of crops in Cutwa less favourable. Sugarcane, &c., doing well. Price of rice has fallen slightly.
	Cutwa	1.73	
	Ranee-gunje	1.01	
	2 Bankoora, " 23	3.96	Weather—hot and cloudy. Rain general, but more wanted. Prices generally stationary, but in Raipur and Simlapal the rise was between three and four seers, while in Kotulpore it fell from one to four seers and in Joypore three seers. Telkoond <i>chali</i> rice and Indian-corn beginning to be cut, and <i>aus</i> paddy in ear. Public health good.
	Bisheupore	1.77	
	Maliara	1.32	
	Khattra	0.98	
	3 Beerbhoom, " 23	2.18	Weather—cloudy, heavy rain fell in some places. Transplanting of paddy going on well, except in thana Nulhati, where prospects of harvest very poor. Prices still high. Some increase of fever and cholera reported.
	Rampore Haut	4.75	
	4 Midnapore, " 23	1.45	Weather—warm, with occasional showers. More rain wanted for the newly transplanted paddy. Public health normal.
PRESIDENCY DIV.	5 Hooghly, " 23	1.06	Weather—showery. Transplanting has been carried on vigorously during the week. Early paddy being harvested with good outturn. More rain still wanted. Prices steady. Prospects generally improved since last report. Public health good for the season of the year.
	Serampore	1.90	
	Jehanabad	3.87	
	Howrah, " 25	1.40	Weather—bright and clear with light winds and occasional showers. More rain much wanted both for young <i>amun</i> , and for <i>aus</i> which is now ripening. Jute being cut. Sugarcane looks well, and vegetables, cultivated on a large scale in the south of the district, are remarkably fine.
	Oolooberiah	2.11	
		0.76	
	<i>Central Districts.</i>		
	6 24-Pergunnahs Aug. 25 '84	2.09	Weather—seasonable, but hot. Harvesting of <i>aus</i> going on with about 12 annas outturn. Transplanting of <i>amun</i> still going on. More rain wanted in Baraset and Dum-Dum. Public health generally good.
	7 Nudden, " 23	.61	Weather—cloudy and showery. Harvesting of <i>aus</i> still continues. Rain has done good to <i>amun</i> , but more is required in some parts. Fever increasing in some sub-divisions.
	Koostea	1.98	
	Meherpore	1.43	
	Choodanga	.80	
	Ranaghat	2.17	
	8 Khoolna, " 23	1.32	Weather—seasonable. Prospects of crops continue good. Public health on the whole fair, though fever prevalent at Satkhira.
	9 Jessore, " 23	0.52	Weather—hot with occasional showers of rain. Harvesting of <i>aus</i> crop continues. Prospects fair. <i>Amun</i> crop doing well. Cases of fever here and there.
RAJSHAHY DIV.	Jhenida	0.32	
	Magoorah	2.83	
	Narail	.49	
	Bongong	1.25	
	10 Moorshedabad, " 23	0.34	Weather—fine, with occasional showers. Transplanting still in progress, but heavy and continuous rain sadly wanted. Irrigation is being attempted where practicable, but fortunately heavy rain fell where it is most wanted. <i>Amun</i> will be a short crop now whatever happens. Jute and sugarcane doing well and ploughing going on.
	Lalbagh	1.03	
	Kandi	2.14	
	Jungipore	1.35	
	11 Dinagepore, Aug. 22 '84	.71	Weather—hot, with slight showers. Rain keeps off and is much wanted. Rain-fall 17 inches below the average. Prospects of <i>aus</i> paddy good. Jute requires water for steeping, and much more rain required for <i>amun</i> paddy.
	12 Rajshahye, " 23	.57	Weather—hot. Rain greatly wanted. <i>Aus</i> crop has suffered considerably from want of rain, and <i>amun</i> crop endangered. Flooding from the river Padma in the southern part of district has done some good. Health generally good.
RAJSHAHY DIV.	Natore	.85	
	Nowgong	.57	
	13 Rungpore, " 23	.41	Weather—very hot, with little rain. Transplanting of <i>amun</i> in low lands going on slowly. Rain much wanted. Malarious fever prevailing. Public health otherwise fair.
	Kurigram	1.25	
	Nilphamari	.4	
	Gaibanda	2.54	
	14 Bogra, " 23	.26	Weather—singularly hot and dry. Prospects of <i>amun</i> paddy not good. Transplanting of <i>amun</i> seedlings has been retarded by want of sufficient rain. With the exception of a few cases of fever and cholera, public health fairly good.
RAJSHAHY DIV.	15 Pabna, " 23	0.82	Weather—dry and hot. Condition of crops satisfactory in the Sudder sub-division, but in the Serajgunge sub-division rain badly wanted for standing crops. There is a good deal of fever in some parts.
	16 Darjeeling, " 23	5.44	Moderate showers during the week. Indian-corn, <i>murca</i> and potatoes have come to perfection in the hills. <i>Amun</i> sowings continue on low lands.
	17 Julpigoree, " 23	7.86	Weather—seasonable. Rain and sunshine alternately. Ten to 12 annas of late paddy transplanted. <i>Bhadai</i> paddy reported to be a short crop in Boda, and good elsewhere. No disease prevailing.



No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.—<i>concl.</i></b>			
<i>Eastern Districts.</i>			
Dacca Divn.	18 Dacca, Aug. 23 '84	37	Weather—seasonable. Harvesting of <i>aus</i> paddy nearly completed and that of <i>jute</i> continues. <i>Amun</i> paddy thriving. Water is still lower than the average.
	Manickgunge	1.76	<i>Amun</i> crop on high lands at Manickgunge not promising. Prospects of crops generally good. Public health generally good.
	Moonsheegunge	5.81	
	Naraingunge	1.39	
	19 Furreedpore, " 23	42	Weather—changeable, but generally fine and calm. State and prospects of crops less satisfactory than last month, owing to want of heavy rain. They are, however, still fair, and rivers have risen greatly. <i>Aus</i> harvest going on, and <i>jute</i> being steeped. Public health generally good.
	Goalundo	40	
	Madaripore	2.05	
	20 Backergunge, " 21	0.28	Weather—cloudy. Outturn of <i>aus</i> crop expected to be below average for want of sufficient rain. Transplanting of <i>amun</i> still going on. Public health good.
	21 Mymensingh, " 22	1.42	Weather—cloudy and hot. Prospects of crops good, but more rain wanted.
	Jamaipore	1.93	
Chittagong Divn.	Kishoregunge	1.05	
	Attia	1.25	
	Netrokona	2.39	
	22 Chittagong, Aug. 25 '84	29	Weather—hot. More rain wanted. Transplanting slow. Prices rising. Cholera and cattle-disease continue.
	23 Nonkholly, " 22	3.04	Weather—frequently cloudy with light showers of rain. Reaping of <i>aus</i> paddy nearly completed. New rice selling at from 16 to 18 seers per rupee. Transplanting of <i>amun</i> continues. Young plants promising, but more rain wanted. Sporadic cases of cholera still reported from mofussil.
	Fenny	3.31	
	24 Tipperah, " 22	2.27	Weather—seasonable. Prospects on the whole favourable. More rain wanted throughout the district. Process of transplanting continues. <i>Jute</i> and <i>aus</i> being harvested.
	Brahmunberiah	2.80	
	Chandpore	3.35	
	25 Chittagong Hill Tracts, " 19	1.99	Weather—hot and close, occasionally cloudy and rainy. <i>Jum</i> paddy ripening. Prospects of cotton and sugarcane good. Transplanting of <i>amun</i> still continues.
Patna Divn.	Hill Tipperah " 20	1.32	Weather—too dry for the season; more rain wanted. <i>Aus</i> paddy being reaped. <i>Amun</i> still being transplanted. Prospects of <i>jum</i> crops fair. Public health good.
	26 Patna, Aug. 23 '84	0.89	Weather—hot and cloudy. Prospects of <i>bhadoi</i> fairly good. Transplanting of <i>amun</i> paddy going on on low lands. More rain wanted for transplanting on high lands. Cholera still prevalent.
	Behar	2.12	
	Dinapore	2.00	
	27 Gya, " 23	3.22	Weather—clear. Light clouds and occasional showers. Prospects of crops very good everywhere. <i>Bhadoi</i> is giving a good yield. Sugarcane doing very well. Transplanting of paddy going on everywhere, and with favourable weather later in season may give a good crop. Both cholera and small-pox reported, otherwise public health fair.
	Aurangabad	5.45	
	Jehansabad	3.28	
	Nowada	4.72	
	28 Shahabad, " 23	1.27	Weather—seasonable. The recent rain came just in time to save the winter paddy, which is now being transplanted and doing well. There has been a flood of the Soane which has destroyed the <i>makai</i> crop near that river.
	Buxar	3.32	
Bhagalpore Divn.	Bhabua	4.9	
	Sasseram	Not received.	
	29 Durbhunga, " 23	Nil	Weather—hot; east winds prevailing. In the sub-division of Tajpore, <i>bhadoi</i> crops are looking well and very promising. These crops are not so good in the Sudder and Madhubani sub-divisions. Rain badly wanted all over the district for paddy crops, which are actually withering for want of moisture in many places in two last-mentioned sub-divisions. Prices gradually rising. Public health good.
	Madhubani	1.15	
	Tajpur	45	
	30 Mozufferpore, " 23	0.06	Weather—close and hot; scarcely any rain has fallen. Prospects of <i>bhadoi</i> crops generally favourable. Rice suffering from deficient rainfall. Public health good.
	Sitamarhi	0.20	
	Hajipore	1.38	
	31 Sarun, " 23	1.38	Weather—cloudy in the beginning, clear towards the latter end. Very little rain during the week, and that unequally distributed. India-corn and other <i>bhadoi</i> crops looking well. Transplanting of paddy going on briskly, but more rain required for transplanting on high lands. Prices fairly steady. Sporadic cases of cholera reported.
	Sewan	52	
Bhagalpore Divn.	Gopalgunge	46	
	32 Chumparun, " 23	0.09	Weather—hot and cloudy. Prospects of <i>bhadoi</i> and <i>aghani</i> crops excellent in the Bettiah sub-division, but more rain now wanted to secure good <i>bhadoi</i> harvest and to bring on paddy crop in Sudder sub-division. Prices steady. Public health good.
	33 Monghyr, Aug. 23 '84	60	Weather—overcast, with occasional showers. The recent rain has been general throughout district, and prospects continue good. Crops on low lands have been somewhat damaged by rise of river. Prices falling slightly. Public health good.
	Begusarai	4.69	
	Jamui	8.69	
	34 Bhagulpore, " 23	23	The general outturn of autumn crops has been a little better than was expected; it varies from 8 to 12 annas. Wherever rain has fallen transplanting of paddy has been carried on briskly, but unless there is a good fall of rain shortly prospects of winter paddy will be very unfavourable. <i>Murwa</i> crop in the north has been a good one. Price of common rice 12 to 15 seers per rupee.
	Banks	1.60	
	Mudhepura	1.13	
	Soopole	1.1	
	35 Purneah, " 23	0.44	Weather—fine. Rather poor outturn of <i>bhadoi</i> crops in half the district. <i>Aghani</i> prospects bad so far. Health fair. Ganges in flood.
	Kissengunge	2.26	
	Arraresh	2.50	

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BEHAR—concl.</b>			
BHAGULPORE DIV.—concl.	36 Maldab, Aug. 23 '84	0.7	Weather—hot with occasional clouds. Transplanted <i>haimanti</i> paddy seedlings are suffering much in the Barindra for want of rain. <i>Bhadai</i> paddy, a 12-anna crop, harvested. Rivers rising. Prices of food-grains stationary. General health good.
	37 Sonthal Pergas, " 23 "	1.09	Rainfall during the week has been deficient everywhere. Much paddy seedlings, remaining to be planted out, and more rain needed for proper growth of <i>aghani</i> ; where <i>bhadai</i> paddy has been harvested, outturn is much below the average. <i>Agnera</i> generally yielding well, the accounts of it from Godda are not so good as elsewhere. Small-pox continues in places.
	Dooghur, " " "	2.79	
	Rajmehal, " " "	1.82	
	Jamtara, " " "	3.15	
	Pakour, " " "	1.55	
	Godda, " " "	0.50	
<b>ORISSA.</b>			
ORISSA DIV.	38 Cuttack, Aug. 22 '84	2.49	Weather—warm; clouds and sunshine alternately. <i>Biali</i> ripening. <i>Sarad</i> being transplanted. Rain still insufficient for high land paddy. In parts of Jajpore, <i>biali</i> attacked by a kind of insect. Price of rice falling. Public health good.
	39 Pooree, " 21 "	2.58	Weather—hot and cloudy, with occasional showers. Transplanting and weeding operations going on generally over district; but in lands on the Chilka side and in Banpur transplanting retarded for want of rain. <i>Biali</i> ripening. Miscellaneous crops thriving. Common rice selling at an average of 21 seers 6 chittacks per rupee in the Sudder sub-division, and 24 seers 3 chittacks in the Khorda sub-division. Public health good.
	Khoorda, " " "	3.58	
	40 Balasore, " 22 "	1.04	Weather—seasonable and cloudy. Transplanting and weeding going on except in some villages in the Bhadrak sub-division, where operations retarded for want of sufficient rain. <i>Biali</i> crop in ear and in some places ripening. Public health good.
<b>CHOTA NAGPORE.</b>			
<i>South-West Frontier Agency.</i>			
	41 Hazaribagh, Aug. 22 '84	7.66	Prospects of crops seem good. Transplanting of paddy going on. Indian-corn and other <i>bhadai</i> crops promise well. Prices stationary. Cholera and small-pox reported from certain police-stations, otherwise public health good.
	42 Lohardugga, " 23 "	2.41	Weather—seasonable. Wet and cloudy during early part of the week, but last few days have been bright and sunny. <i>Bhadai</i> crops promise well. <i>Gondle</i> being cut near Lohardugga. Prospects of paddy crop so far good, weather having been favourable for transplanting. There has been a severe outbreak of cholera in a village near Ranchee, otherwise general health good.
	Palamow, " " "	3.57	
	(13th to 19th idem.)		
	43 Singbhoom, " 22 "	0.74	Weather—bright and hot; rain insufficient. Crops on high lands in the west of district are suffering from deficient rainfall, but favourable in all other parts. Indian-corn yielding well. Public health and condition of cattle good.
	44 Manbhoom, " 23 "	0.59	Weather—cloudy; sky bright at intervals. The rainfall was general, but insufficient. Scarcity of rice in pergunnah Bagda reported owing to scanty rainfall. Sowing of paddy crops still continues. Prospects of sugarcane and other <i>bhadai</i> crops excellent. Coarse rice sold on the 23rd instant at 19 seers per rupee in the Purnia market. Public health generally good.

Published for general information.

CALCUTTA, STATISTICAL DEPT.,  
The 26th August 1884.COLMAN MACAULAY,  
Secy to the Govt. of Bengal.

## PRICES-CURRENT of Food-grains, Firewood and Salt in the

RETAIL SALE:—QUANTITIES PER RUPEE BY

Number.

DISTRICTS.

WHEAT.

BARLEY.

RICE, BEST SORT.

RICE, COMMON.

BULBUSH MILLET  
CUMBOO, BAJRA.

GREAT MILLET—  
CHOLU, JOWAR.

Present return.

Next preceding return.

Corresponding return  
of last year.

Present return.

Next preceding return.

Corresponding return  
of last year.

Present return.

Next preceding return.

Corresponding return  
of last year.

Present return.

Next preceding return.

Corresponding return  
of last year.

Present return.

Next preceding return.

Corresponding return  
of last year.

Present return.

Next preceding return.

Corresponding return  
of last year.

BENGAL.

Western Districts.

		S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.	S	Ch.
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A In the sub-divisions the retail prices of salt per rupee were:—Chins 14 seers, Cutwa 13 seers, and Raneesgunge 13½ seers.

B The retail price of salt in the interior ranged from 11 to 16 seers per rupee.

C The retail price of salt in the interior ranged from 11½ to 13½ seers per rupee.

D In the sub-divisions the retail prices of salt per rupee were:—Contai 12½ seers, Tumlook 11 seers, and Ghatatal 14 seers.

E In the sub-divisions the retail prices of salt per rupee were:—Serampore 13 seers and Jehanabad 13½ seers.

F In the sub-divisions the retail prices of salt per rupee were:—Baraset and Basserhat 13 seers, Barrackpore 12½ seers.

G In the sub-divisions the retail prices of salt per rupee were:—Koochla 13 seers, Maherpore 11½ seers, Choodanga 14 seers, and Ranaghat 12½ seers.

H The retail price of salt in the sub-division of Raikhira and Bagirhat was 11 seers per rupee.

I In the sub-divisions the retail prices of salt per rupee were:—Jhandah and Nasail 12 seers, Magurah 10½ seers and Bongong 13 seers.

J In the sub-divisions the retail prices of salt per rupee were:—Lalbagh 11 seers, Jangypore and Kandi 12 seers.



THE SEER OF 80 TOLAHS.

R The retail price of salt at Kaigunge was 11½ seers and at Nitpore 10 seers per rupee.  
 L In the sub-divisions the retail price of salt per rupee were :—Gaibanda 14 seers, Kurigram 13 seers and Nilphamari 12 seers.  
 M The retail price of salt at Jergunge was 13 seers per rupee.  
 N The retail price of salt at Kurseong was 8 seers, and at Siligoree 10 seers per rupee.  
 O The retail price of salt at Falacoua in Alipor sub-division was 10 seers per rupee.  
 P In the sub-divisions the retail prices of salt per rupee were :—Muckgunge 12 seers, Moonshagunge 10 seers 10½ chittacks, and Narcingunge 13 seers.  
 Q In the sub-divisions the retail prices of salt per rupee were :—Manari pore and Bianga 12 seers, and Gopalgunge 12½ seers.  
 R In the sub-divisions the retail prices of salt per rupee were :—Pasakhal 10½ seers, Biola 10 seers, and Porazpore 11 seers.  
 S In the sub-divisions the retail prices of salt per rupee were :—Kishoregunge 10 seers, Aiten 12 seers, and Jamalpore 11 seers.



## PRICES-CURRENT of Food-grains, Firewood and Salt in the

RETAIL SALE :—QUANTITIES PER RUPEE BY THE

Number.	DISTRICTS.	RETAIL SALE :—QUANTITIES PER RUPEE BY THE																								
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULRUSH MILLET— CUMBOO, BAJRA.			GRASS MILLET— CHOLEM JOWAR.									
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
Eastern Districts.—Concluded.																										
22	Chittagong	13 0	14 0	8 0	...	...	...	13 0	13 0	13 0	17 0	17 0	18 0	...	...	...	...	...	...	...	...	...	...	...	...	...
23	Noakholly	...	...	...	...	...	...	15 0	15 0	20 0	17 0	17 0	22 0	...	...	...	...	...	...	...	...	...	...	...	...	...
24	Tipperah	13 4	13 4	12 4	...	...	...	15 0	15 0	17 4	18 8	18 12	21 12	...	...	...	...	...	...	...	...	...	...	...	...	...
26	Chittagong Hill Tracts.	...	...	...	...	...	...	13 5	13 5	12 4	16 0	16 0	13 4	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hill Tipperah	12 0	12 0	10 0	...	...	...	14 0	14 0	16 0	18 0	17 0	20 0	...	...	...	...	...	...	...	...	...	...	...	...	...
BEHAR.																										
26	Patna	20 0	20 0	19 0	19 0	19 0	25 0	11 4	11 4	14 0	13 0	13 0	16 0	...	...	...	...	...	...	...	...	...	...	...	...	...
27	Gya	16 4	16 8	18 8	20 0	20 0	24 0	9 4	9 4	12 0	11 8	12 8	15 0	...	...	...	...	...	...	...	...	...	...	...	...	...
28	Shahabad	18 0	18 0	15 0 to 16 0	20 0	22 0	26 0	9 0	9 0	10 0	12 0	13 0	15 0 to 16 0	23 8	21 0	27 0	...	...	...	...	...	...	...	...	...	...
29	Durbhunga	15 7	17 9	15 8	18 12	19 14	28 0	9 15	9 15	13 0	12 1	13 4	16 0	...	...	...	...	...	...	...	...	...	...	...	...	...
30	Muzafferpore	17 0	17 0	18 0	19 0	20 0	30 0	9 0	10 0	12 0	13 0	13 0	16 0	...	...	...	...	...	...	...	...	...	...	...	...	...
31	Saran	18 0	18 8	17 0	20 8	22 4	26 0	8 0	8 0	10 0	12 4	12 8	15 0	...	...	...	21 0	22 8	29 0	...	...	...	...	...	...	...
32	Chumpanun	16 0	16 0	19 0	...	...	32 0	11 0	10 8	13 0	13 0	13 0	17 0	...	...	...	...	...	...	...	...	...	...	...	...	...
33	Monghyr	19 12	19 11	19 10	21 0	21 0	26 4	10 8	11 2	13 10	12 1	12 13	15 3	...	...	...	...	...	...	...	...	...	...	...	...	...
34	Bhagalpore	17 10	18 4	16 6	18 15	20 8	30 4	11 6	12 0	15 2	12 10	13 14	17 10	...	...	...	...	...	...	...	...	...	...	...	...	...
35	Purneah	17 0	14 0	17 0	...	...	...	13 0	13 0	16 0	14 0	14 0	18 0	...	...	...	...	...	...	...	...	...	...	...	...	...
36	Maldah	20 0	20 0	17 8	...	...	...	11 0	11 0	15 0	15 0	14 0	18 0	...	...	...	...	...	...	...	...	...	...	...	...	...
37	Sonthal Berga.	13 0	13 0	12 0	...	...	...	12 0	12 8	16 0	14 8	15 0	23 0	...	...	...	...	...	...	...	...	...	...	...	...	...
ORISSA.																										
38	Cuttack	18 6	18 6	13 2	...	...	...	13 2	13 2	13 2	18 6	18 6	22 5	...	...	...	...	...	...	...	...	...	...	...	...	...
39	Pooree	13 2	13 2	11 13	...	...	...	13 12	13 2	21 0	18 6	17 1	23 10	...	...	...	...	...	...	...	...	...	...	...	...	...
40	Balasore	17 0	16 0	14 0	11 0	11 0	...	13 0	13 0	16 0	20 0	20 0	28 0	...	...	...	...	...	...	...	...	...	...	...	...	...
CHOTA NAGPORE																										
South-Western Frontier Agency.																										
41	Hazareebagh	13 0	13 0	15 0	14 0	16 0	20 0	9 0	10 0	9 0	11 0	12 0	15 8	...	...	...	...	...	...	...	...	...	...	...	...	...
42	Lohardugga	12 0	13 0	15 0	...	12 0	20 0	12 0	13 0	18 0	14 0	16 0	22 0	...	...	...	...	...	...	...	...	...	...	...	...	...
43	Singbhoom	18 0	18 0	18 0	22 0	22 0	24 0	20 0	20 0	32 0	24 0	24 0	36 0	...	...	...	...	...	...	...	...	...	...	...	...	...
44	Manbhoom	13 0	13 0	13 0	...	...	...	13 0	12 8	16 0	19 0	19 0	25 0	...	...	...	...	...	...	...	...	...	...	...	...	...

(a) Price of rice in the interior ranged from 10 seers 11 chittacks to 30 seers 4 chittacks per rupee.

T Retail price of salt at Kumeriah and Hatpazaree 10 seers and Cox's Bazar 9 seers per rupee.

U The retail price of salt in the interior ranged from 9 to 12½ seers per rupee.

V In the sub-divisions the retail prices of salt per rupee were :—Brahmanbariah 12½ seers and Chandpore 12½ seers.

W In the sub-divisions the retail prices of salt per rupee were :—Buxar 11½ seers, Bhadrabad 11 seers, and Sasaram 12 seers.

X In the sub-divisions the retail prices of salt per rupee were :—Tajpore 11½ and Madhubani 11 seers.

Y In the sub-divisions the retail prices of salt per rupee were :—Hajepore 12 seers, and Seetamarhi 11 seers.

Z In the sub-divisions the retail prices of salt per rupee were :—Sewau 11½ seers, and Gopalgunge 12 seers.

Z1 The retail price of salt in the interior ranged from 10 to 13 seers per rupee.

SEER OF 80 TOLAHS.

SEER OF 80 TOLAHS.			WHOLESALE PRICES PER MAUND OF 40 SEERS.		
LEBBER MILLET— RAGI OR MURWA AND CHEENA.	MAIZE OR INDIAN- CORN	GRAM.	FIREWOOD.	SALT.	SALT.
Present return.	Present return.	Present return.	Present return.	Present return.	Present return.
Next preceding return.	Next preceding return.	Next preceding return.	Next preceding return.	Next preceding return.	Next preceding return.
Corresponding return of last year.	Corresponding return of last year.	Corresponding return of last year.	Corresponding return. of last year.	Corresponding return of last year.	Corresponding return of last year.

DISTRICTS.

*Eastern Districts.*—(Concluded.

[illegible]

22 In the sub-divisions the retail prices of salt per rupee were :—Boguserai 11 seers, and Jamni 12 seers.  
23 In the sub-divisions the retail prices of salt per rupee were :—Bansa 13 seers, Madh-pura 11 seers: and Soopole 10 seers.  
24 In the sub-divisions the retail prices of salt per rupee were :—Kankungeun 10 seers, and at Kaneeun in Arrareah sub-division 11 seers.  
25 The retail price of salt in Godda and Kolahal sub-divisions was 11 seers per rupee.  
26 Retail price of salt at Chattri 14 seers and Kharruckdih 11 seers.  
27 The retail price of salt at Daitongun was 9 seers per rupee.  
28 In the sub-divisions the retail prices of salt per rupee were :—Govindpore 11 seers, Burra Bazar 10 seers, Ragunathpore 12 seers.

Published for general information.

COLMAN MACAULAY,  
*Secretary to the Govt. of Bengal.*

## WHOLESALE PRICES-CURRENT of Food-grains, Fire-wood, and Salt in

Number.	MARTS.	PRICES PER MAUND														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULRUSH MILLET— CUMBOO BAJRA.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	2 4 0	2 4 0	2 12 0	1 7 6	1 14 0	2 1 0	4 14 0	4 8 0	3 12 0	3 9 0	3 8 0	2 8 0	3 0 0	2 10 0	2 0 0
2	Serajunge ...	2 4 0	2 10 0	1 12 0	...	...	...	3 12 0	3 12 0	3 8 0	2 7 0	2 8 0	2 0 0	...	...	...
3	Dacca ...	2 6 0	2 6 0	3 1 0	1 8 6	1 8 6	1 12 0	3 1 0	3 1 0	2 4 0	2 7 0	2 7 0	1 12 0	...	...	...
4	Naraingunge ...	...	...	...	...	...	...	2 8 0	2 6 0	2 0 0	2 6 0	2 5 0	1 14 0	...	...	...
5	Chittagong ...	2 14 0	...	4 12 0	...	...	...	3 0 0	3 0 0	2 12 0	2 6 0	2 6 0	2 2 0	...	...	...
6	Patna ...	1 14 6	1 14 6	2 0 0	1 13 0	1 13 0	1 8 0	3 0 0	3 0 0	2 11 0	2 13 9	2 13 9	2 8 0	...	...	...
7	Balasore ...	2 2 0	2 4 0	2 8 0	3 2 0	3 2 0	...	3 0 0	3 0 0	2 3 0	1 13 0	1 13 0	1 1 0	...	...	...
8	Pooree ...	...	...	...	...	...	...	2 6 0	2 2 0	2 2 0	...	...	...	...	...	...
9	Cuttack ...	2 0 0	2 0 0	2 14 0	...	...	...	3 0 0	3 0 0	3 0 0	2 0 0	2 0 0	1 10 0	...	...	...

Calcutta,  
The 25th August 1884.



*the undermentioned Marts of Bengal for the Fortnight ending the 15th August 1884.*

OF 40 SEKRS.

GREAT MILLET— CHOLU JOWAR.			LESSER MILLET— RAGI OR MURWA AND CHEENA.			MAIZE OR INDIAN- CORN.			GRAM.			FIREWOOD.			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
3 0 0	...	1 14 0	...	...	...	...	...	...	1 12 0	1 14 0	2 4 0	0 5 0	0 5 0	0 6 3	...	...	3 0 0	Calcutta.
...	...	...	...	...	...	...	...	...	2 6 0	2 6 0	2 4 0	...	...	0 6 0	3 0 0	3 0 0	3 0 0	Serajgunge.
...	...	...	...	...	...	...	...	...	2 2 0	2 2 0	2 6 0	0 8 0	0 8 0	0 6 0	3 1 6	3 1 6	4 0 0	Dacca.
...	...	...	...	...	...	...	...	...	2 4 0	2 4 0	2 4 0	0 7 0	0 7 0	0 7 0	3 0 0	3 0 0	2 0 0	Naraingunge.
...	...	...	...	...	...	...	...	...	2 8 0	2 6 0	0 0 0	0 4 0	0 4 0	0 5 3	4 0 0	4 0 0	0 0 0	Chittagong.
...	...	...	...	...	...	1 12 0	1 12 0	1 4 3	1 14 6	1 12 0	1 10 0	0 5 0	0 5 0	0 6 0	3 2 0	3 2 0	1 6 0	Patna.
...	...	...	...	...	...	...	...	...	2 10 0	2 10 0	2 8 0	0 5 0	0 5 0	0 4 0	3 7 0	3 7 0	2 0 0	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2 6 0	2 6 0	2 12 0	Pooree.
...	...	...	2 5 0	1 14 0	2 0 0	...	...	...	1 11 0	1 10 0	0 2 0	0 8 0	0 8 0	0 8 0	2 12 0	2 12 0	2 12 0	Cuttack.

Published for general information.

COLMAN MACAULAY,  
Secy. to the Govt. of Bengal.



## Meteorological Report of the Province of Bengal

METEOROLOGICAL DIVISION.	DISTRICT.	Representative station.	STATION OBSERVATIONS.														Average humidity at 10 A. M.	Average cloud amount at 10 A. M. for week.	
			AIR PRESSURE.			WIND.		TEMPERATURE.											
			Mean barometric height, 10 A. M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Lowest during week.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 10 A. M. temperature.					
ORISSA.	Pooree ... ..	Gopalpore ...	29.604	29.654	—	Calm & SSW	302	90.6	89.8	86.7	83.1	84.4	—	84.6	70	69			
	False Point ...	...	29.633	29.655	—0.031	SE	223	87.4	75.1	85.9	77.3	81.6	—1.0	82.7	81	90			
	Cuttack ... ..	Cuttack ...	29.505	29.646	—0.031	Calm	58	91.4	76.4	88.0	77.9	83.0	—1.3	84.5	73	90			
	Balasore ... ..	Balasore ...	29.585	29.644	—	SSW	108	87.9	73.8	85.7	77.6	81.7	—	84.3	78	63			
	South-West Midnapore ... ..	Saugor Island ...	29.619	29.645	—0.037	SW & SE	301	89.2	78.5	86.9	79.4	83.2	—0.1	84.3	82	80			
SOUTH-WEST BENGAL.	South 24-Pergunnahs ... ..	Midnapore ...	29.401	29.640	—	E	86.4	90.3	75.8	88.5	77.8	83.2	—	85.2	78	64			
	24-Pergunnahs ... ..	Calcutta ...	29.023	29.645	—0.045	SE	90	88.1	77.6	86.8	78.0	82.4	—0.1	83.1	82	83			
	Howrah ... ..	Burdwan ...	29.551	29.651	—0.023	ESE	69	90.6	77.9	89.0	78.4	83.7	—0.4	84.1	76	77			
	Hooghly ... ..	Ranigunge ...	29.311	—	—	SE	110	89.5	76.8	88.5	78.0	83.3	—	84.0	81	59			
	Burdwan ... ..	Berhampore ...	29.593	29.660	—0.016	E	100.1	90.1	77.3	88.6	78.0	83.3	—1.0	83.7	82	97			
	Bankura ... ..	.....	Observatory not started.																
	Beerbhoom ... ..	Jessore ...	29.027	29.660	—0.016	S SSE	130	89.7	77.0	88.9	78.5	83.7	+0.1	85.3	80	74			
	West Burdwan ... ..	Khoolna ...	29.642	29.731	+0.002		124	86.1	75.0	84.6	75.6	80.1	—1.1	82.9	80	63			
	Moorshedabad ... ..	Chittagong ...	29.663	—	—	ESE	130.4	80.6	60.0	84.2	75.0	79.6	—	82.3	83	88			
	Nuddea ... ..	Chittagong Hill Tracts ...	29.690	29.734	—	SSE	274.5	80.2	75.3	85.1	76.9	81.0	—	82.9	84	78			
EAST BENGAL.	Jessore ... ..	Barrisal ...	29.656	—	—	SE	165.8	88.5	76.0	87.2	78.5	82.8	—	83.9	82	77			
	Khoolna ... ..	Noakholly ...	29.661	29.683	+0.003	SSE	144	89.8	77.2	88.7	78.3	83.5	+0.2	85.3	83	66			
	Chittagong ... ..	Noakholly ...	29.640	29.701	—	SE	93.2	88.4	74.8	86.6	76.1	81.3	—	82.3	81	37			
	Chittagong Hill Tracts ...	Furreedpore ...	29.646	—	—	SE	129.4	88.3	76.1	87.0	77.2	82.1	—	83.6	76	77			
	Backergunge ... ..	Furreedpore ...	29.637	29.683	—	E	165.3	88.6	76.7	87.9	77.6	82.8	—	84.9	81	74			
	Noakholly ... ..	Rampore Beaulah ...	29.573	29.649	—	SE	211.7	86.6	76.6	85.1	77.0	81.1	—	83.8	81	46			
	Furreedpore ... ..	Dinagore ...	29.548	29.667	—	SE	175.3	90.6	77.0	89.6	78.5	84.1	—	84.8	78	49			
	Dacca ... ..	Rungpore ...	29.509	29.693	—	SE	118	90.8	76.5	89.9	77.7	83.8	—	85.1	78	64			
	Commillah ... ..	Julpigoree ...	29.404	29.690	—	SE	122.9	90.0	75.1	89.3	76.4	82.9	—	84.5	80	47			
	Mymensingh ... ..	Cooch Behar ...	22.934	—	—	ENE	68.1	67.6	55.1	66.0	65.9	61.0	—	62.4	97	89			
NORTH BENGAL.	Bogra and Pubna ... ..	Darjeeling ...	29.529	29.655	—0.004	E	38	92.2	76.3	90.5	77.2	83.8	0	85.4	82	93			
	Rajshahye ... ..	Purneah ...	29.473	—	—	ESE	—	93.1	77.0	91.3	78.4	84.9	—	86.8	80	53			
	Dinagore ... ..	Mozufferpore ...	29.487	29.653	+0.009	ESE	151	90.9	78.5	89.8	79.4	84.6	+0.9	83.1	78	64			
	Rungpore ... ..	Durbhunga ...	29.416	29.642	—	E	210.2	92.6	76.9	91.4	78.7	85.1	—	86.4	73	47			
	Julpigoree ... ..	Motihari ...	29.443	—	—	E	99.1	92.5	77.5	89.3	78.9	84.1	—	85.6	85	70			
	Cooch Behar ... ..	Chupra ...	29.272	29.626	—	SE	258.5	89.4	76.0	85.5	78.0	81.8	—	83.3	83	46			
	Darjeeling Hill Districts ...	Dehree ...	29.388	29.628	—	E	95.7	89.4	77.2	87.0	79.0	83.0	—	85.9	79	71			
	Purneah ... ..	Buxar ...	29.414	29.608	—	ESE	140.7	91.4	76.6	89.9	78.9	84.4	—	85.1	81	59			
	North Bhagulpore ... ..	Arrah ...	29.223	29.599	—	E	?	92.2	77.3	89.1	77.5	83.3	—1.3	84.5	80	70			
	Mozufferpore ... ..	Bankipore ...	29.457	29.640	—0.014	E	134	89.9	78.2	89.2	79.8	84.5	—0.4	85.4	80	66			
SOUTH BENGAL.	Durbhunga ... ..	Bhagulpore ...	29.442	29.603	—	SE	90	90.4	77.5	89.5	78.6	84.1	—	85.9	74	33			
	Chumparan ... ..	Moughyr ...	29.138	—	—	SE	151.4	88.6	75.3	86.8	76.2	81.5	—	82.8	91	56			
	Sarun ... ..	Southai Pergunnahs ...	27.634	29.634	—0.032	ESE	154	84.4	71.7	82.6	72.5	77.6	—1.0	77.3	85	70			
	Shahabad ... ..	Doomka ...	27.517	29.635	—	—	—	85.7	70.8	81.0	71.6	76.6	—	76.3	88	90			
	Buxar ... ..	Hazaribagh ...	28.864	—	—	E	37.6	89.9	74.2	87.7	76.2	82.0	—	83.0	77	74			
	Arrah ... ..	Ranchee ...																	
	Gya ... ..	Manbhoom ...																	
	Patna ... ..	Singhbhum ...																	
	South Bhagulpore ... ..																		
	Moughyr ... ..																		

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical averages or means of the readings during the same time. The humidity of the atmosphere is expressed as a percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 100. The normal means of the rainfall are the numerical means or averages of the rainfall in that district determined from the returns sent in by the sub-divisions from the district (i.e.) the total rainfall at the sub-divisional stations in the district sending in returns, divided by the number of stations. A rainy

for the week ending Friday, the 22nd August 1884.

Rainfall of week at observing stations.	DISTRICT OBSERVATIONS.										Representative station.	DISTRICT.	METEOROLOGICAL DIVISION.
	RAINFALL.												
	Of week.		Since 1st of month.			Since 15th May.			Average number of rainy days.	Normal number of rainy days.			
	Mean for district.	Normal mean.	Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.					
0.15	—	—	—	—	—	—	—	—	—	—	Gopalpore	...	ORISSA.
0.05	1.98	2.81	6.10	9.00	-3.41	25.27	33.73	-8.46	5.0	4.3	False Point	Pooree	SOUTH-WEST BENGAL.
0.34	2.66	8.40	8.87	-0.47	28.79	32.95	-4.19	4.0	3.5	Cuttack	Cuttack		
0.32	1.18	2.48	6.38	9.20	-2.82	34.13	33.24	+0.89	2.8	4.0	Balasore	Balasore	
0.00	1.25	3.47	6.31	10.02	-4.61	39.15	38.56	+0.59	3.3	3.9	Saukor Island	South-West Midnapore	SOUTH-WEST BENGAL.
1.30	0.85	3.05	5.57	10.06	-5.29	28.82	34.51	-5.69	2.0	4.7	Midnapore	Midnapore	
2.23	1.82	3.28	7.04	10.08	-2.44	30.05	35.40	-5.35	4.0	5.0	Calcutta	Howrah	
1.80	1.03	3.10	5.33	9.62	-4.29	13.18	31.42	-8.24	3.7	4.0	Burdwan	Burdwan	SOUTH-WEST BENGAL.
1.42	2.15	3.26	7.61	9.09	-2.38	23.21	35.36	-12.15	4.5	4.7	Ranigunge	Bankoora	
1.51	1.04	2.78	5.58	8.85	-3.27	23.46	31.09	-8.23	3.4	4.3	Berhampore	Moorsheadabad	
1.02	3.48	4.60	9.60	-5.00	23.28	33.57	-9.99	3.3	4.0	.....	Nuddea	SOUTH-WEST BENGAL.	
0.45	0.90	3.24	5.32	9.89	-4.57	32.88	37.37	-4.49	3.3	4.3	Jessore		Jessore
0.55	1.27	4.20	12.65	17.74	-5.09	71.88	85.23	-13.35	4.5	4.9	Chittagong		Chittagong
1.39	4.71	7.21	15.14	-7.93	41.97	58.47	-16.50	7.0	5.7	Demagiri	Chittagong Hill Tracts	SOUTH-WEST BENGAL.	
1.08	1.07	2.96	6.64	12.40	-5.76	48.40	55.06	-6.66	4.3	5.4	Barrisal		Backergunge
1.37	1.28	6.64	10.63	20.25	-9.62	58.42	78.51	-20.09	5.0	5.8	Noakholly		Noakholly
0.53	0.42	3.14	5.10	9.30	-4.20	28.71	38.80	-10.09	2.7	4.5	Furreedpore	Furreedpore	SOUTH-WEST BENGAL.
0.61	0.42	2.61	6.70	10.24	-3.54	33.17	41.68	-8.51	4.0	4.2	Dacca	Dacca	
2.13	1.09	3.82	5.91	12.06	-7.05	42.52	49.26	-6.74	3.5	5.0	Commillah	Commillah	
0.74	0.38	3.84	4.74	9.66	-4.92	35.31	45.48	-10.17	3.0	5.0	Mymensingh	Mymensingh	SOUTH-WEST BENGAL.
0.65	0.27	3.62	3.76	8.54	-4.78	26.68	36.69	-10.01	1.8	4.2	Serajunge	Bogra and Pubna	
0.87	0.47	2.80	4.02	8.33	-4.31	24.06	33.52	-9.46	2.7	4.6	Rampore Beaulah	Rajshahye	
0.80	0.55	2.85	5.03	8.62	-3.59	29.40	37.93	-8.53	3.3	4.3	Dinapore	Dinapore	SOUTH-WEST BENGAL.
0.54	0.30	2.91	4.47	8.93	-4.16	35.80	51.34	-15.54	2.0	3.6	Rungpore	Rungpore	
3.21	3.00	5.21	10.45	16.44	-5.99	65.09	77.05	-11.96	4.4	4.7	Julpigoree	Cooch Behar	
5.06	2.68	8.64	18.83	25.27	-6.44	85.84	100.86	-24.02	7.0	6.1	Darjeeling	Darjeeling Hill Districts	SOUTH-WEST BENGAL.
0.5	1.04	3.15	6.01	9.51	-3.50	30.77	37.65	-6.88	3.6	4.1	Purneah	Purneah	
0.33	0.41	2.05	3.41	7.40	-3.99	19.41	27.71	-8.30	1.3	3.4	Durbhunga	Mosufferpore	
0.10	0.11	2.49	4.52	8.01	-3.49	25.68	29.15	-3.57	1.0	3.4	Motihari	Chumparun	SOUTH-WEST BENGAL.
2.05	1.05	1.83	6.23	6.81	-0.58	19.28	26.18	-6.90	2.5	5.4	Chupra	Sarun	
5.65	—	—	—	—	—	—	—	—	—	—	Dehree	Shahabad	
2.33	1.00	2.61	8.45	8.38	+0.07	18.91	26.26	-7.35	2.8	3.4	Buxar	Buxar	SOUTH-WEST BENGAL.
1.55	—	—	—	—	—	—	—	—	—	—	Arrah	Gya	
3.37	2.29	2.88	9.16	8.32	+0.83	19.71	27.84	-8.13	3.3	2.9	Gya	Patna	
1.26	0.95	2.09	6.72	7.28	-0.56	19.48	27.19	-7.71	2.0	3.0	Bankipore	South Bhagalpore	SOUTH-WEST BENGAL.
0.29	1.00	2.37	6.86	8.35	-1.49	22.33	28.58	-6.25	3.2	3.7	Bhagalpore	Monghyr	
1.74	1.49	2.98	4.80	8.74	-3.93	21.37	32.84	-11.47	3.5	4.5	Doomka	Sonthal Pargunnas	
0.58	2.59	2.65	9.65	9.27	+0.38	22.41	32.00	-9.59	5.0	4.3	Hazaribagh	Hazaribagh	SOUTH-WEST BENGAL.
4.21	1.20	2.98	7.82	10.27	-2.65	23.70	32.71	-9.01	3.0	4.4	Ranchee	Lehardugga	
0.77	0.90	3.51	7.09	11.21	-4.12	30.65	36.42	-5.77	4.0	4.7	Chyebassas	Manbhoom	

period for the past one year. The variations are negative when the mean for the week is less than the corresponding normal mean, and positive when greater. by 10. The number denoting cloud amount represent the part of the sky covered, the whole sky being denoted by 10. Under the head "district observations" for the period in question during the past 12 years. The means for the district are the numerical average of the rainfall returns received day is one on which at least an hundredth of an inch fell.

## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 22nd August 1884.

Meteorological division.	District.	Station.	RAINFALL.							Total.		Total rain- fall from 1st to 22nd August 1884.	Average total rain- fall from 1st to 22nd August.	Total rain- fall since 15th May 1884.	Average rainfall from 15th May to date.	
			Saturday, 16th August.	Sunday, 17th August.	Monday, 18th August.	Tuesday, 19th August.	Wednesday, 20th August.	Thursday, 21st August.	Friday, 22nd August.	Number of rainy days.	Rainfall of week.					
ORISSA	Pooree	Pooree	0.01		1.13	0.52	0.27	0.07	0.59	6	2.59	4.85	7.30	24.47	28.83	
		Khurda			0.46	0.20	0.90	0.15	0.77	5	2.48	8.39	10.07	30.12	30.10	
		Banpur			0.48	0.60	0.80	0.10	0.16	5	2.14	4.70	9.25	19.19	31.40	
		False Point		0.05	0.21			0.33	0.12	4	0.71	6.82	11.76	27.28	38.44	
		Hookitola					0.10									
	Cuttaek	Jagatsingapore		0.4	0.45	0.4							7.99		27.35	
		Banki	0.01		0.33	0.61	0.8	0.1								
		Cuttaek		0.07	0.15		2.16		1.03	4	3.41	9.50	9.10	37.23	36.07	
		Kendrapara	0.19		0.23		0.45	0.59	1.39	4	3.05	11.16	10.16	27.41	30.07	
		Jajpore		0.81	0.10		0.38		0.35	4	1.54	6.16	8.19	25.76	34.75	
	Balasore	Chandballi		0.90			0.07	0.18		3	1.15	8.34	9.51	37.48	33.32	
		Bhuddruck		1.11			0.25	0.04		3	1.41	3.98	8.41	40.05	40.44	
		Sorah		0.10						1	0.10	1.70	9.28	23.47	31.23	
		Balasore		0.08			0.22	0.32		3	0.63	10.05	9.75	47.97	34.21	
		Jellapore		0.30		0.30				2	0.60	6.09	9.38	33.10	34.79	
Baripodah		0.09		2.03	0.02		0.01	1.03	5	3.18	7.34	8.15	34.85	33.95		
SOUTH-WEST BENGAL.	Midnapore	Contai	0.87	0.07		0.30		0.46		4	1.60	7.20	10.39	36.90	37.60	
		Saugor Island						0.55		1	0.55	3.30	12.04	40.05	40.44	
		Tumlook			1.10	0.40				2	1.50	5.00	10.35	28.10	33.37	
		Midnapore	0.22		0.45			0.24	0.05	4	1.06	5.79	9.31	32.75	32.04	
		Ghattal								Nil	Nil	5.34	12.31	35.04	37.89	
	24-Pergunnahs	Diamond Har- bour.	0.11		0.05	0.21		0.43	0.19	5	1.59	8.42	10.35	38.50	37.41	
		Alipore Jail		1.60		0.11	0.07	0.03		4	1.81	6.95	10.72	32.65	37.08	
		Barrackpore		0.45		0.07		0.45		4	2.97	10.19	9.22	32.90	34.07	
		Dum-Dum	0.32	0.87	0.06	0.18		0.09	0.00	5	1.52	5.42	9.01	30.62	34.16	
		Barasat	0.70	0.23	0.15	0.19		0.23	0.01	6	1.61	4.68	9.04	26.60	32.91	
	Buseerhat		0.66		1.35	0.05		0.15	0.09	5	2.20	10.56	10.10	34.48	37.27	
	Howrah	Howrah	0.03	1.57	0.04	0.07	0.20		0.02	6	1.95	6.61	9.63	24.52	35.07	
		Moheraka (Golobaria.)	0.02	0.07	0.12	0.16	0.00		0.08	5	0.45	5.87	11.06	27.25	36.02	
		Serampore	0.42	0.05	1.42	0.08	0.13	0.04		6	2.14	9.16	9.47	28.03	34.25	
		Hooghly	1.00	0.74		0.09	0.07			4	1.90	9.15	9.72	28.34	33.44	
		Jehanabad	0.32		0.79	0.15			0.61	4	1.78	7.80	12.00	23.08	36.97	
	Burdwan	Culina		0.25			0.21			2	0.44	6.43	9.45	24.83	30.75	
		Burdwan	1.03	0.16	0.03	0.08	0.40	0.09		6	1.80	6.91	9.82	19.22	32.31	
		Cutra	0.42		0.08		0.36			3	0.86	2.66	9.69	25.47	31.19	
		Raneesgunge	0.45	0.05		0.82	0.05		0.02	5	1.42	8.65	9.62	27.15	32.54	
		Bankura	Bankura	0.05		0.55	0.08	0.13	0.06		5	1.77	7.19	10.44	30.60	34.60
	Bishenpore		0.28		0.13	0.13	0.58	0.20		5	1.32	7.34	10.83	23.88	30.73	
	Maliara			0.36	0.31		0.31			3	0.98	6.59	9.94	20.94	34.47	
	Khatra		1.60			0.11	0.12	0.35		4	2.18	5.71	8.94	26.06	38.02	
	Beerbhoom		Bh. Soory	4.05	0.29		0.11	0.08	0.10	0.17	6	4.76	16.11	18.84	37.32	30.74
Hetampore		1.99	0.45	0.25					3	2.69	8.19	9.45	34.33	34.33		
Nuddea		Bongong	0.22		0.45					2	0.97	6.17	9.74	24.38	34.78	
		Ranaghat	0.51		0.51	0.05	0.06	0.05		5	1.17	4.85	10.61	26.87	33.21	
		Kishnaghat		0.35				0.26		2	0.61	2.08	9.64	19.20	31.90	
	Choudanga	0.22		0.03	0.04		0.05		4	0.34	3.84	10.07	23.20	34.31		
	Meherpore	0.02	0.04		0.14		0.33		4	1.13	4.42	8.64	21.12	31.65		
Kooshtea	1.29		0.12		0.00			3	1.02	6.02	8.82	26.71	35.58			
Khoolna	Satkira	0.30	0.01				0.48	0.12	4	0.91	5.50	9.72	35.29	37.07		
	Bagirhat	0.22		0.23		0.19		1.09	4	1.13	6.08	10.54	43.67	48.03		
	Khoolna	0.65		0.29					3	1.91	6.16	9.79	41.96	57.27		
	Jessore	Narail	0.40					0.44		2	0.84	4.28	9.05	21.27	34.34	
		Jessore	0.04	0.06	0.16	0.09		0.10	0.07	6	0.52	5.03	9.89	34.02	37.73	
Jhenidah		0.16		0.03					2	0.19	6.42	10.90	29.84	37.07		
Magorah		0.43		0.34					2	0.77	3.12	8.80	25.09	34.53		
Moorshedabad		Kandi	0.25	0.18	0.24		0.49			4	1.16	5.65	8.66	22.40	33.99	
	Rampore Haul	0.00	0.03	0.23	0.14		0.03		5	1.39	6.31	9.83	21.27	32.94		
	Berhampore	0.90		0.18		0.07	0.09		4	1.14	3.49	9.33	19.45	32.81		
	Lalbagh	0.46		0.27					2	0.73	4.70	8.16	23.39	29.87		
	Asimgunge	0.46		0.07	0.03		0.02		4	0.60	6.84	9.23	27.08	31.69		
Jungipore	0.61			0.45	0.09			3	1.35	6.03	8.03	31.23	30.41			
Lakola	0.85					0.09		2	0.91	5.98	8.68	28.45	31.22			
EAST BENGAL.	Chittagong	Cor's Bazar	0.03	1.05	0.30		0.35				14.07	20.21	80.32	106.03		
		Chittagong	0.09	0.02	0.28		0.05	0.05				15.26	16.26	67.42	67.42	
		Chittagong Hill Tracts.	Ranjamati	0.04	0.13	0.04	0.01	1.05	0.08	0.04	7	1.39	7.21	15.14	41.97	58.47
			Raicha	0.14	1.00		0.79									
			Agartola		0.85		0.47	1.55			3	2.87	3.85	10.07	38.60	40.98
	Backergunge		Patuakhally				0.40		0.59		2	0.90	7.20	12.94	50.40	63.88
			Perospore	1.10	0.29				0.35		3	1.74	9.33	12.29	47.48	49.15
		Burrial	0.04	0.10	0.01	0.04		0.21	0.04	6	0.44	2.60	10.52	40.65	47.94	
		Bhola	0.21	0.28	0.16	0.10	0.05		0.40	6	1.20	7.41	13.84	53.06	60.83	
		Noakholly	Noakholly		0.28	0.38	0.02	0.55	0.10	0.08	6	1.41	12.47	19.87	63.73	77.70
	Fenny			0.12	0.15		0.58	0.23		4	1.10	8.77	20.02	63.09	70.27	
	Furreedpore		Madaripore						0.35	0.21	2	0.56	5.25	9.29	25.28	30.70
			Furreedpore	0.15	0.10	0.05					3	0.30	6.09	9.44	33.13	39.24
			Goalundo	0.08		0.19	0.13				3	0.40	4.05	9.15	27.79	37.40
		Dacca	Munshigunge	0.19		0.15		0.09		0.20	4	0.63	9.01	11.96	35.08	40.30
			Dacca	0.17	0.07		0.06	0.07			4	0.37	4.69	9.90	30.59	41.50
	Narsingunge		0.16	0.04		0.40	0.09			4	0.69	5.17		25.35		
	Manickgunge		0.10	0.10	0.03	0.02				5	0.25	6.39	8.87	33.23	34.24	
	Comilla		Comilla		0.46	0.23		1.37	0.03		4	2.19	6.36	13.73	49.31	54.70
		Chandpore	0.40			0.15				2	0.65	8.25	18.08	36.30	40.20	
brahmunberia			0.29	0.10	0.13	0.00	0.04		5	1.16	5.16	9.35	45.87	41.01		
Mymensingh		Kishoregunge	0.13			0.12				2	0.28	3.50	9.07	28.91	48.28	
		Ara							0.14	Nil	Nil	4.54	9.06	20.51	38.45	
	Mymensingh		0.19	0.01					4	0.60	8.28	10.38	40.38	42.60		
	Jamshapore	0.02	0.11	0.07		10.04	0.11		5	0.35	6.23	9.83	53.68	62.60		
	Aetrokozna					0.00			1	0.00	7.09		45.60			



## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 22nd August 1884—concluded.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL.		Total rainfall from 1st to 22nd August 1884.	Average total rainfall from 1st to 22nd August.	Total rainfall from 15th May 1884.	Average rainfall from 15th May to date.
			Saturday, 16th August.	Sunday, 17th August.	Monday, 18th August.	Tuesday, 19th August.	Wednesday, 20th August.	Thursday, 21st August.	Friday, 22nd August.	Number of rainy days.	Rainfall week.				
NORTH BENGAL.	Pubna	Pubna	0.51	0.09	0.05	0.11	0.06	.....	.....	5	0.82	4.96	8.92	26.86	34.49
		Seraigunge	.....	.....	.....	0.05	0.11	.....	.....	3	0.49	4.84	8.21	26.08	35.04
	Bogra	Sherpore	.....	.....	.....	0.15	.....	.....	.....	Nil	Nil	2.38	9.99	27.75	41.57
		Nowkhilla	0.06	.....	.....	.....	.....	.....	.....	3	0.31	2.74	8.14	30.93	35.34
		Bogra	0.26	.....	.....	.....	0.10	.....	.....	1	0.26	1.84	8.54	31.73	41.23
	Rajshahye	Panchbibi	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3.09	6.96	28.47	35.65
		Beaulah	0.41	0.07	0.06	0.03	.....	.....	.....	4	0.57	5.07	9.41	23.20	33.79
	Maldah	Nattore	0.15	.....	.....	.....	.....	.....	.....	1	0.15	2.55	8.51	24.96	34.84
		Nowgong	0.15	.....	0.02	.....	0.10	.....	.....	3	0.27	3.69	8.51	24.96	34.84
	Dinapore	Maldah	0.24	.....	.....	.....	.....	0.40	0.06	3	0.70	4.46	7.08	24.93	31.91
		Mohadebore	0.07	.....	.....	0.09	.....	.....	.....	2	0.16	3.63	10.80	22.96	40.29
		Churamon	.....	0.30	.....	.....	.....	.....	.....	2	0.41	6.40	6.62	35.97	30.42
		Raigunge	.....	0.37	0.17	0.13	.....	0.35	.....	4	1.02	6.23	8.09	33.25	37.64
		Dinapore	0.03	0.05	0.03	0.24	.....	0.27	.....	5	0.62	3.56	8.92	26.30	35.44
	Rungpore	Bakoorghat	.....	0.19	.....	0.51	0.16	.....	.....	3	0.86	3.96	8.92	30.90	35.44
		Bhawanigunge (Gyabanda)	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	4.08	8.09	34.91	41.47
		Rungpore	.....	.....	0.05	0.24	0.11	.....	.....	3	0.40	7.32	8.15	41.26	50.81
	Julpigore	Kurigram	.....	0.42	.....	.....	.....	.....	.....	1	0.42	3.13	6.17	33.33	51.09
		Baidyagra (Niphama)	.....	0.11	0.08	0.10	0.07	.....	.....	4	0.36	3.09	12.11	33.93	62.05
	Cooch Behar	Julpigore	0.38	0.16	.....	0.12	0.16	0.94	.....	5	7.86	26.16	17.79	76.57	79.05
		Dinhat	0.03	.....	0.07	0.03	0.03	0.08	0.15	6	0.99	7.43	13.39	53.87	65.87
NORTH BHAR.	Furneah	Cooch Behar	0.14	.....	.....	0.03	0.13	0.54	0.35	5	1.21	5.49	15.07	32.94	35.57
		Mickhigunge	.....	.....	.....	.....	.....	1.79	0.07	2	1.86	6.90	17.34	55.25	73.44
		Matabhanga	0.15	.....	.....	.....	.....	0.28	0.29	4	3.09	6.19	15.61	58.99	83.54
	North Bhagulpore	Buxa	0.42	0.30	0.28	0.35	0.81	1.17	2.40	7	5.93	19.35	32.37	100.79	149.27
		Siliguri	0.32	.....	0.02	0.28	0.41	1.91	0.70	6	3.64	10.96	17.96	62.06	76.44
		Darjeeling	2.71	0.15	0.39	0.69	0.57	0.44	0.49	7	5.44	17.71	18.10	74.94	76.44
	Durbhunga	Kalimpong	2.00	0.09	0.21	0.92	0.03	0.62	.....	6	4.49	11.96	18.10	49.36	76.44
		Kissengunge	0.04	.....	0.21	0.39	0.10	0.23	0.10	6	1.06	8.36	10.39	47.27	43.44
		Arraheah	.....	.....	.....	1.00	0.47	0.35	.....	3	2.42	8.08	9.15	34.91	40.90
	North Bhagulpore	Furneah	0.03	.....	.....	0.03	0.47	0.37	0.01	4	0.44	4.94	10.29	30.47	39.23
		Maddapore	0.25	0.12	.....	0.43	.....	0.23	.....	4	1.03	7.18	9.04	23.00	31.91
		Scoopool	0.24	.....	.....	.....	.....	.....	.....	1	0.24	1.47	8.63	19.45	31.45
	Mozufferpore	Tajpore	0.09	.....	.....	.....	.....	.....	.....	1	0.09	4.29	7.35	19.25	27.69
		Durbhunga	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.04	8.38	13.96	29.65
		Madhabani	.....	.....	.....	.....	0.36	.....	.....	1	0.36	3.16	6.62	18.20	27.17
	Champaran	Sitamari	.....	.....	.....	.....	.....	.....	0.72	1	0.72	5.78	7.04	23.97	29.82
		Mozufferpore	0.06	.....	.....	.....	.....	.....	.....	1	0.06	2.69	7.25	17.38	28.15
		Hajipore	0.30	0.06	0.22	0.06	.....	.....	.....	4	1.24	3.57	7.76	24.71	26.90
	Sarun	Motibari	.....	.....	.....	.....	.....	0.06	.....	1	0.06	1.39	9.13	22.20	27.89
		Bettiah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	6.36	8.30	27.64	31.88
		Gopalgunge	0.04	.....	.....	.....	.....	0.19	.....	2	0.23	5.62	6.62	27.65	27.81
SOUTH BHAR.	Shahabad	Sharan	0.14	.....	.....	0.10	.....	.....	.....	2	0.24	3.97	6.90	14.40	27.36
		Chuprah	1.62	0.11	.....	0.15	.....	.....	.....	3	1.85	8.47	6.64	14.14	24.93
		Buxar	0.48	0.25	0.29	0.29	.....	.....	.....	4	1.23	5.77	7.31	16.77	24.32
	Gya	Dehree	2.90	0.32	0.25	0.07	.....	0.21	.....	5	2.85	13.44	8.39	23.01	28.81
		Bhuboah	.....	0.29	.....	.....	.....	.....	.....	1	0.29	8.39	9.44	17.27	27.65
		Sasseram	1.50	0.09	.....	0.07	.....	.....	.....	3	1.66	15.91	8.78	23.54	27.17
	Patna	Arrah	1.18	.....	0.04	0.05	.....	.....	.....	3	1.27	4.72	7.93	25.96	25.45
		Aurungabad	1.91	0.31	0.45	.....	.....	.....	.....	3	3.29	14.83	8.85	18.65	27.97
		Gya	0.62	0.65	1.09	0.89	0.03	.....	.....	5	3.22	7.30	8.12	18.94	28.81
	Monghyr	Nowadah	0.96	0.47	0.40	1.54	.....	.....	.....	4	2.47	6.91	7.95	17.34	27.18
		Jehanabad	.....	.....	0.19	.....	.....	.....	.....	1	0.19	7.56	8.33	17.34	27.18
		Patna	0.84	.....	0.03	0.02	.....	.....	.....	2	0.89	5.95	7.37	20.65	27.21
	South Bhagulpore	Dinapore	1.76	.....	.....	.....	.....	.....	.....	1	1.76	11.43	6.93	27.43	25.65
		Behar	0.09	.....	.....	0.15	.....	.....	.....	2	0.24	3.84	7.31	11.21	29.46
		Barrh	0.59	.....	.....	0.40	.....	.....	.....	2	0.90	5.63	7.54	15.90	25.54
	Sonthal Pergunnahs.	Begoserai	1.17	.....	0.21	1.19	.....	0.03	.....	4	2.60	7.29	7.28	19.52	29.91
		Monghyr	0.38	.....	.....	0.22	.....	.....	.....	2	0.60	5.22	9.67	22.47	30.41
		Jamui	0.79	1.34	0.50	1.14	.....	.....	.....	4	3.65	13.90	8.25	29.10	24.23
CALCUTTA NAG-PUR.	Bhagulpore	Bhagulpore	0.16	.....	0.06	.....	0.15	.....	.....	3	0.37	1.95	7.96	24.99	27.30
		Banka	0.30	0.10	.....	0.15	.....	.....	.....	3	0.75	5.94	8.57	16.57	29.27
		Ra'mehal	1.33	0.16	.....	0.22	.....	0.06	.....	4	1.76	3.53	6.83	23.35	39.83
	Singbhoom	Goada	0.44	0.06	.....	.....	.....	.....	.....	2	0.50	2.21	9.76	16.16	29.99
		Pakour	0.36	.....	.....	0.53	.....	0.16	.....	3	1.05	2.42	7.25	21.69	33.55
		Nya Doomka	0.44	0.29	0.33	0.20	0.13	0.04	.....	6	1.45	4.95	10.91	17.64	33.93
	Manbhoom	Deognur	0.38	0.06	0.47	0.06	0.25	.....	.....	5	1.19	5.48	8.47	19.64	31.66
		Jamara	1.26	1.05	.....	0.69	.....	.....	.....	3	3.09	7.32	9.22	23.71	33.61
		Pachamba	0.27	.....	0.30	0.22	0.05	.....	.....	4	1.01	4.97	8.45	19.67	31.18
		Manbhoom	0.09	0.34	3.29	0.25	0.09	.....	0.09	6	4.18	14.36	10.23	27.49	31.95

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If some of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA,

The 25th August 1884.

JOHN ELIOT,

Meteorological Reporter to the Govt. of Bengal.



**SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS  
TAKEN IN BENGAL DURING THE WEEK ENDING THE 22ND AUGUST 1884.**

THE meteorology of the past week contrasts strikingly with that of the previous week. A rapid rise of the barometer, which extended from the 16th to the 20th, indicated the commencement of a break in the rains. It was first established in those divisions in which rainfall has been most deficient during the past month or six weeks, namely North Bengal and Behar and East Bengal, and afterwards extended to the divisions which have received favourable rainfall, or to South Behar, Chutia Nagpur, South-West Bengal and Orissa. The rainfall of the past week has hence been much below the average in all districts, but the deficiency is most marked in North Behar, North and East Bengal. Julpigoree is at present a curious example of a station in an area of deficient rainfall, receiving excessive rain. The sub-divisional rainfall returns show that, on the average, South Behar and Chutia Nagpur received very nearly 50 per cent. of the normal rainfall of the week, South-West Bengal, 40 per cent. and Orissa 65 per cent. On the other hand, North Bengal, has only obtained 28 per cent. and East Bengal and North Behar 25 per cent. Several districts in the three latter divisions have barely received ten per cent. Amongst those are some which have received very deficient rainfall during the whole season. The following are those districts which have received a rainfall of 10 per cent. or less during the week:—

District.	Percentage rainfall of week.
Chumparun ... ..	5
Bogra, and } Pubna       }	9
Rungpore ... ..	10
Mymensingh ... ..	10

**Pressure**—Was considerably below the average at the commencement of the week under review. It increased slightly on the 16th and 17th, and rapidly on the 18th and 19th. The total rise of the barometer between the 15th and the morning of the 20th varied between a quarter and three-tenths of an inch in Bengal and Behar, and was greatest in East Bengal. Pressure diminished rapidly during the remainder of the week, and was on the 22nd slightly below the normal in Orissa, South-West Bengal and North Behar, and above it in the remaining divisions. The mean pressure of the week was slightly in excess in East Bengal and normal in North Behar. It was in defect in South Behar, Chutia Nagpur, South-West Bengal and Orissa. The deficiency was greatest at Calcutta and Saugor Island.

**Temperature**—In consequence of the large rainfall in Behar and other districts during the week ending the 15th, the temperature was considerably below the normal at the commencement of the past week. Showers fell over the greater part of the Province until the 19th or 20th, and temperature continued below the average. With the cessation of rain in the interior, the temperature increased, and was slightly above the normal at the end of the week. The mean temperature of the week is hence generally below the average by small amounts, in no case exceeding  $1\frac{1}{2}^{\circ}$ . The highest day temperatures during the week occurred in North Behar, at Mozufferpore ( $93.1^{\circ}$ ), Motihari ( $92.6^{\circ}$ ) and Chupra ( $92.5^{\circ}$ ).

**Winds**—Have been unusually feeble during the week. They were approximately normal in direction over the greater part of the Province. The relatively low pressure in the south-western districts of South-West Bengal and Orissa, and high pressure in East Bengal, gave an unusually strong easterly element to the southerly winds in South Bengal. The winds in Chutia Nagpur were from the South-East and East, and hence indicate that the Bombay branch of the monsoon current did not extend so far across the continent, and did not influence the weather in Bengal at all during the week.

**Rainfall**—The past week has been an unusually dry one over the greater part of the Province. Frequent light showers occurred in Orissa and South-West Bengal during the whole week. They were all more or less local in character, and the total amounts received by the various recording stations were in no case large. In East Bengal, light showers fell on every day until the 21st, but the amounts were very small, and gave an average of less than an inch, or less than 30 per cent. of the normal amount. The rainfall of the week was even smaller in amount over the greater part of North Bengal and North Behar. Practically the break in the rains extended over the whole week in those divisions. A few local showers of little importance fell between the 16th and 20th, when the break became more pronounced and clear weather set in. The only districts in that area which received moderate rain were the Julpigoree, Oooch Behar, and Darjeeling districts. Julpigoree obtained heavy local rain on the 21st, which gave it 6.94 inches. The area of most deficient rainfall in the Province during the whole season, includes the greater part of Durbhunga, Mozufferpore, Chumparun and North Sarun. During the past week a large portion of that area was practically rainless.

South Behar and Chutia Nagpur on the other hand received showers of moderate intensity during the first four days of the week, when the break extended over the whole of the interior of the Province. The rainfall in that area was, as last week, largest in amount in the Shahabad and Gya districts of South Behar, and the Hazaribagh district of Chutia Nagpur.

The preceding remarks also give the time distribution of the rainfall of the week. The rapid increase of pressure at the commencement of the week accompanied a break in the rains. This commenced in North Bengal and North Behar at the beginning of this week, and extended to South Behar, Chutia Nagpur, and East Bengal on the 20th or 21st, and to South-West Bengal at the end of the week.

The only district which received normal rainfall during the week was Hazaribagh.

The following districts received between 80 and 90 per cent.:—Cuttack and Gya; between 70 and 80 per cent., Pooree; between 60 and 70 per cent., Bancoora, Beerbhoom, Bhagulpore and Darjeeling; between 50 and 60 per cent., Chupra, Julpigoree, 24-Per-gunnahs, Howrah, Hooghly and the Sonthal Pergunnahs; between 40 and 50 per cent., Balasore, Commillah, Shahabad and Bankipore; between 30 and 40 per cent., Burdwan, Moorshedabad, Noddea, Chittagong, Purneah and Burisal.

The following table gives the actual percentage amount received by those districts, the rainfall of which was less than 30 per cent. of the normal rainfall of the week:—

DISTRICTS.			Percentage rainfall of week.	Percentage rainfall of month to date.
Jessore ...	...	...	28	54
Midnapore ...	...	...	23	50
Durbhunga and Mozufferpore ...	...	...	20	46
Noakhally ...	...	...	19	52
Dinagapore ...	...	...	19	58
Rajshahye ...	...	...	17	46
Dacca ...	...	...	16	66
Furreedpore ...	...	...	13	55
Mymensingh ...	...	...	10	49
Rungpore ...	...	...	10	51
Bogra and Pubna ...	...	...	9	44
Chumparun ...	...	...	4	56

The preceding table shows that the districts which have received a rainfall of 30 per cent. or less during the past week include a large portion of East and North Bengal and the central and western districts of North Behar. Also the total rainfall of the present month up to date in these districts is very considerably below the average, the amounts actually received varying between 44 and 66 per cent. of the normal rainfall of the period.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the week ending Friday, the 22nd August 1884:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.							RAINFALL.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of July.		Since 15th May.		
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.	
Orissa ... ..	91.4	73.8	86.6	78.7	82.7	-1.2	1.74	2.62	-0.88	3.6	3.9	-0.3	6.91	9.21	30.13	33.29	
South-West Bengal ... ..	90.6	75.8	88.2	78.3	83.3	-0.3	1.36	3.24	-1.88	3.8	4.5	-0.7	6.16	9.86	28.04	34.78	
East Bengal ... ..	89.8	69.6	86.2	76.8	81.5	-0.5	0.92	3.73	-2.81	3.8	4.9	-1.1	7.00	12.62	42.75	53.20	
North Bengal ... ..	90.8	75.1	88.4	77.4	82.9	-	0.99	3.45	-2.46	2.9	4.3	-1.4	5.56	10.31	37.87	48.46	
North Behar ... ..	93.1	76.3	90.5	78.5	84.5	+0.5	0.63	2.45	-1.82	2.1	3.6	-1.5	4.78	8.10	24.12	30.99	
South Behar ... ..	92.2	73.3	88.1	78.3	83.2	-0.9	1.49	2.56	-1.07	3.1	3.6	-0.5	6.99	8.26	20.52	28.88	
Chutia Nagpur ... ..	84.4*	70.8*	82.1*	72.1*	77.1*	-1.6*	1.46	2.89	-1.43	4.4	4.4	0	8.15	9.92	24.00	32.79	

\* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;

JOHN ELIOT,

The 25th August 1884.

Meteorological Reporter to the Govt. of Bengal.

## Results of the Meteorological Observations taken at the Alipore Observatory from 17th to 23rd August 1884.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 23° Fahr.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1884.		☉		Inches.	☉	☉	☉	☉	☉	Inches	☉	%			Inches	
Aug.	17th	163·6	2·5	29·473	81·9	86·4	8·0	78·4	79·2	0·965	78·2	89	WSW, SW and calm	59	1·86	Chiefly cloudy, o, g, p.
"	18th	143·5	Nil	·493	82·5	86·8	8·6	78·2	79·5	·968	78·3	87	SE, calm and variable.	48	0·01	Chiefly cloudy, o, g, d.
"	19th	150·9	"	·594	83·0	86·9	8·7	78·2	79·4	·957	77·9	85	SE by S and SSE ...	160	0·16	Chiefly cloudy, o, p, d.
"	20th	151·5	7·5	·676	83·3	88·0	9·8	78·2	79·4	·955	77·8	84	SSE and S by E ...	125	Nil	Chiefly cloudy.
"	21st	148·5	7·0	·655	81·7	86·1	8·5	77·6	78·7	·941	77·4	87	SSE and SE ...	106	0·06	Partially cloudy, o, p, t, <.
"	22nd	153·0	5·0	·633	82·1	87·8	9·7	78·1	79·1	·955	77·8	87	SE by S and SE ...	94	Nil	Chiefly cloudy, t.
"	23rd	159·3	7·4	·674	82·4	88·6	10·4	78·2	79·0	·945	77·5	85	SE by E and SSE ...	107	0·16	Chiefly cloudy, o, p, t.

The mean pressure of the seven days ...

The average pressure of the corresponding period for 24 years, S. G.'s Office ...

The total number of hours of bright sunshine ...

The maximum possible number of hours of sunshine ...

The mean temperature of the seven days ...

The average temperature of the corresponding period for 24 years, S. G.'s Office ...

The extreme variation of temperature ...

The maximum temperature ...

The highest velocity of the wind in one hour ...

The highest pressure of wind on one square foot ...

The mean relative humidity ...

The average relative humidity of the corresponding period for 24 years, S. G.'s Office ...

The total fall of rain from 17th to 23rd August 1884 ...

The average fall of the corresponding period for 24 years, S. G.'s Office ...

The total fall from 1st January to 23rd August 1884 ...

The average fall of the corresponding period for 24 years, S. G.'s Office ...

The mean pressure, temperature, &amp;c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86 formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions of the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, p passing temporary showers, d drizzling rain, t thunder, < lightning.

METEOROLOGICAL OFFICE, INDIA,  
Calcutta, the 25th August 1884.

JOHN ELIOT,  
for Meteorological Reporter to the Government of India.

## MEMORANDA.

THE births and deaths registered in the first class Municipalities in Bengal during the week ending 9th August 1884 amount to 490 and 808, respectively, and yield the proportions in relation to population exhibited below, in contrast with the similar results of the preceding week ending 2nd August :—

					During the week ending—	
					9th August 1884.	2nd August 1884.
Births	...	...	...	...	19.3	18.5
Deaths	...	...	...	...	31.8	28.8

indicating a fair advance in the registration of deaths.

2. The Municipalities which returned the highest birth and death rates were :—

Births.				Deaths.			
			Ratio per mille.				Ratio per mille.
Bhagulpore	...	...	40.7	Monghyr	...	...	94.0
Serampore	...	...	39.2	Gya	...	...	76.5
Gya	...	...	38.9	Bhagulpore	...	...	47.1
Monghyr	...	...	24.4	Poori	...	...	40.7
				Burdwan	...	...	39.7
				Patna	...	...	35.4
				Purneah	...	...	31.1
				Chittagong	...	...	30.5
				Kishnaghur	...	...	30.3
				Suburbs of Calcutta	...	...	29.4

3. The principal diseases specified in the table appended to this memoranda proved fatal at the rates exhibited below :—

					Ratio per mille during weeks ending—	
					9th August 1884.	2nd August 1884.
Cholera	...	...	...	...	4.1	3.1
Small-pox	...	...	...	...	3	5
Fever	...	...	...	...	14.7	12.0
Bowel-complaints	...	...	...	...	4.6	5.2
Injury	...	...	...	...	4	7
Other causes	...	...	...	...	7.6	7.3

showing that, in comparison with the preceding week, there occurred a noticeable increase of mortality from cholera and fever, particularly from the last-named disease.

4. While the fatality from small-pox and injury was nowhere high, the Municipalities named below were reported to have returned the highest death-rates from the rest of the diseases specified above :—

Cholera.		Fever.		Bowel-complaints.		Other causes.	
	Ratio per mille.		Ratio per mille.		Ratio per mille.		Ratio per mille.
Monghyr	... 47.9	Gya	... 32.8	Bhagulpore	... 10.9	Gya	... 15.7
Gya	... 19.8	Monghyr	... 31.6	Monghyr	... 9.0	Poori	... 15.0
Poori	... 10.7	Purneah	... 27.7	Patna	... 8.4	Suburbs of Calcutta	11.6
Arrah	... 7.2	Burdwan	... 27.5			Dacca	... 11.6
		Bhagulpore	... 24.4			Patna	... 10.1
		Chittagong	... 23.5			Bhagulpore	... 9.9
		Kishnaghur	... 22.7				

5. The mortality of the week distributed under the heads of *Sex*, *Class* and *Age* stands as follows :—

According to Sex.			According to Class.			According to Age.		
		Ratio per mille.			Ratio per mille.			Ratio per mille.
Males	...	31.2	Christians	...	34.8	Under 1 year	...	284.8
Females	...	32.4	Hindus	...	32.9	1 and under 5 years	...	52.2
Ratio of male deaths to every 100 female deaths	...	109	Mahomedans	...	29.2	5	10	25.4
			Budhists	...	48.4	10	15	21.7
						15	20	18.8
						20	30	18.6
						30	40	19.1
						40	50	21.1
						50	60	22.9
						60 years and upwards	...	62.0

R. LIDDERDALE, M.D., Deputy Surgeon-General,  
Sanitary Commissioner for Bengal.

The 25th August 1884.



Statement showing the Results of the Registration of Births and Deaths in the First Class Municipalities in Bengal during the week ending 9th August 1884.

DISTRICTS.	NAMES OF MUNICIPALITIES.	POPULATION.			BIRTHS.			MORTALITY ACCORDING TO—										Ratio of male deaths to every 100 female deaths.								
		Males.	Females.	Total.	NUMBER OF—	RATIO PER 1,000 OF POPULATION PER ANNUM.	Ratio of male births to every 100 female births.	DEATHS FROM—							RATIO PER 1,000 OF POPULATION PER ANNUM.		Ratio of deaths per 1,000 of population per annum in the previous week.		Sex.							
								Males.	Females.	Total.	Cholera.	Small-pox.	Fever.	Bowel-complaints.	Injury.	Other diseases.			All causes.	Cholera.	Small-pox.	Fever.	Bowel-complaints.	Injury.	Other diseases.	All causes.
1	2	3	4	5	6	7	8	9	10	11	12															
		Disease.											Sex.													
		RATIO PER 1,000 OF POPULATION PER ANNUM.											Males.		Females.											
		RATIO PER 1,000 OF POPULATION PER ANNUM.											Males.		Females.											
		RATIO PER 1,000 OF POPULATION PER ANNUM.											Males.		Females.											
		RATIO PER 1,000 OF POPULATION PER ANNUM.											Males.		Females.											
		RATIO PER 1,000 OF POPULATION PER ANNUM.											Males.		Females.											
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		RATIO PER 1,000 OF POPULATION PER ANNUM.											Males.		Females.											
		RATIO PER 1,000 OF POPULATION PER ANNUM.											Males.		Females.											
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		RATIO PER 1,000 OF POPULATION PER ANNUM.											Males.		Females.											

\* A special census of the Europeans in the District Municipality was recently taken, as the census of this section of the community taken in February 1881 was not reliable, owing to the Europeans being a minority in that month. The number of the natives remains as before, as it was not necessary to re-census them. The ratios under each have been calculated, as before, on the basis of the census of the Europeans above alluded to.

13			14			15			16		
MORTALITY ACCORDING TO—											
Class.				Age.							
DEATHS AMONG—				DEATHS.				RATIO PER 1,000 OF POPULATION PER ANNUM.			
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OFFICE OF SANITARY COMMISSIONER FOR BENGAL,  
The 25th August 1884.

R. LIDDERDALE, M.D., Deputy Surgeon-General,  
Sanitary Commissioner for Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.  
NUDDEA RIVERS.

*Statement showing the total amount of Traffic and Tolls on the Jellinghee River for the month of July 1884.*

Number of Boats.	NATURE OF CARGO.	APPROXIMATE		TONNAGE OF BOATS.		Tollage.		
		Weight of cargo.	Value of cargo.	Maunds.	Tons.			
	LOCAL TRAFFIC.	Mds.	Rs.			Rs.	A.	P.
38	Paddy ...	9,525	16,668	18,850	673	141	6	0
62	Rice ...	5,600	16,800	11,375	406	85	5	0
125	Wheat ...	50,925	1,01,850	99,800	3,564	748	8	0
26	Gram ...	10,475	20,950	19,075	681	143	1	0
62	Pulses and other crops	25,375	50,750	49,350	1,762	370	2	0
2	Fruits and vegetables	300	600	700	25	5	4	0
5	Jaggery ...	600	2,400	1,325	47	13	4	0
238	Salt ...	48,525	1,33,443	95,975	3,427	959	12	0
2	Ghee ...	200	5,600	600	21	6	0	0
4	Oil ...	750	6,000	1,625	58	16	4	0
1	Khari salt ...	500	750	1,100	39	11	0	0
163	Tobacco ...	49,975	1,74,912	97,925	3,497	979	4	0
65	Jute ...	21,550	64,650	42,325	1,511	423	4	0
36	Linseed ...	15,200	45,600	31,150	1,112	233	10	0
54	Mustard seed ...	21,575	86,300	40,900	1,460	306	12	0
8	Ghooting ...	1,950	487	3,775	134	9	7	0
17	Unwrought timber and piles, 241D + 45G ...	.....	.....	.....	.....	98	13	0
1	Bone ...	200	50	400	14	2	0	0
26	Bamboos 25,250 ...	.....	.....	.....	.....	20	4	0
98	Miscellaneous ...	24,725	1,97,800	48,550	1,733	485	8	0
22	Coal and coke ...	9,975	4,987	18,775	670	93	14	0
1	Earthware and earthen-pots ...	50	12	125	4	0	2	6
42	Stone plates ...	62,950	15,737	1,01,750	3,633	254	6	0
1,098	Total ...	3,60,925	9,46,346	6,85,450	24,471	5,407	2	6
1,158	Total of same month last year ...	3,82,150	10,75,147	7,07,700	25,263	6,049	5	6
	MISCELLANEOUS.							
678	Passenger boat ...	.....	.....	.....	.....	325	12	0
209	Empty " ...	.....	.....	1,20,925	4,318	151	2	6
9	Oil-cake ...	2,625	2,625	5,000	178	50	0	0
2	Gunny ...	900	9,000	1,850	66	18	8	0
898	Total ...	3,525	11,625	1,27,775	4,562	545	6	6
774	Total of same month last year ...	13,875	1,33,575	99,650	3,557	649	1	6
1,996	Grand Total ...	3,64,450	9,57,971	8,13,225	29,033	5,952	9	0
1,932	Grand Total of same month last year ...	3,96,025	12,08,722	8,07,350	28,820	6,698	7	0

## MEMORANDUM.

Rs. A. P.

Unrecovered balance on the 1st of the month	.....	.....	.....
Amount of tollage for the month	.....	.....	5,952 9 0
Amount credited in the accounts for the month	.....	.....	5,952 9 0
Balance at the end of the month	.....	.....	.....

N.B.—In the statement for July 1883, Gunny, Oilcake and Empty were shown under "Local Traffic," and Rafts of timbers and bamboos under "Miscellaneous."



PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.  
NUDDEA RIVERS.

Statement showing the total amount of Traffic and Tolls on the Matabhanga River for the month of July 1884.

Number of Boats.	NATURE OF CARGO.	APPROXIMATE		TONNAGE OF BOATS.		Tollage.	
		Weight of cargo.	Value of cargo.	Maunds.	Tons.		
	LOCAL TRAFFIC.	Mds	Rs.			Rs.	A. P.
10	Coal ...	4,650	1,743	7,025	260	35	2 0
2	Charcoal ...	500	125	1,000	37	5	0 0
6	Stone ...	700	7,000	1,900	70	19	0 0
2	Sand ...	300	37	825	30	1	0 6
7	Iron ...	1,285	6,425	4,425	163	44	4 0
1	Brass ...	25	1,000	175	6	1	12 0
51	Jute ...	41,946	1,67,784	90,150	3,338	901	8 0
1	Mats ...	5	5	200	7	2	0 0
77	Paddy ...	14,762	22,143	30,050	1,112	225	6 0
279	Rice ...	1,92,472	6,25,534	3,81,900	14,144	2,864	4 0
24	Wheat ...	9,031	20,326	16,225	600	121	11 0
41	Gram ...	12,975	22,706	21,350	790	160	2 0
123	Other cereals ...	66,404	99,606	1,07,075	3,965	803	1 0
49	Linseed ...	22,895	85,856	47,075	1,743	353	1 0
65	Mustard-seed ...	44,140	1,76,560	84,275	3,121	632	1 0
3	Other oil-seed ...	847	2,544	3,100	114	23	4 0
21	Other oils ...	2,514	30,168	11,525	426	115	4 0
58	Oil-cake ...	15,426	15,426	35,900	1,329	359	0 0
3	Fruits ...	250	500	750	27	5	10 0
12	Vegetables ...	693	693	1,700	62	12	12 0
11	Tobacco ...	1,705	6,820	8,375	310	83	12 0
3	Spices ...	150	3,000	3,425	126	34	4 0
18	Turmeric ...	2,705	16,230	12,100	448	121	0 0
1	Sugar, refined ...	2	30	375	13	3	12 0
1	Do., unrefined ...	7	70	125	4	1	4 0
12	Jaggery ...	1,333	7,998	2,825	104	28	4 0
149	Salt ...	63,151	1,89,453	1,46,125	5,412	1,461	4 0
1	Cattle ...	50	500	100	3	1	0 0
1	Horns ...	6	120	1,000	37	10	0 0
6	Bones ...	800	200	1,725	63	17	4 0
55	Miscellaneous ...	12,586	1,25,860	29,400	1,088	294	0 0
163	Empty boats ...	.....	.....	.....	.....	165	13 6
1,256	Total ...	5,14,318	16,36,459	10,52,200	38,952	8,906	12 0
1,174	Total of same month last year.	4,72,686	12,53,600	9,90,900	36,686	8,697	3 6
	MISCELLANEOUS.						
4	Laden steamers, coal 23,000 maunds, sundries 600 maunds ...	23,600	14,625	55,100	2,040	413	4 0
1	Empty steamers ...	.....	.....	.....	.....	3	0 0
7	Laden flats, coal 30,000 maunds, sundries 43,900 ...	73,900	4,50,250	81,400	3,014	610	8 0
	Timber D28, G9 ...	610	1,490	.....	.....	12	3 0
2	Rafts bamboo, 150 in number ...	75	15	.....	.....	0	6 0
455	Passenger, &c. ...	.....	.....	.....	.....	193	4 0
469	Total ...	98,185	4,66,380	1,36,500	5,054	1,232	9 0
513	Total of same month last year.	53,880	5,37,230	1,08,200	4,002	1,120	10 0
1,725	Grand Total ...	6,12,503	21,02,839	11,88,700	44,006	10,139	5 0
1,687	Grand Total of same month last year.	5,26,566	17,90,830	10,99,100	40,688	9,817	13 6

## MEMORANDUM.

Rs. A. P.

Unrecovered balance on the 1st of the month	...	68	7 10
Amount of tollage for the month	...	10,139	5 0
Amount credited in the accounts for the month	...	10,307	12 10
Balance at the end of the month	...	9,408	15 6
		738	13 4

The balance shown above was the amount remaining to be paid into treasury.